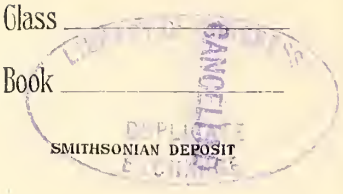


Class _____

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SMITHSONIAN DEPOSIT

B. 13. 22

CATALOGUE OF LEPIDOPTERA.

PART I.

CATALOGUE

OF

LEPIDOPTEROUS INSECTS

IN

THE COLLECTION

OF

THE BRITISH MUSEUM.



PART I. PAPILIONIDÆ.

LONDON:

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INTRODUCTION.

THE chief objeet in preparing the present Catalogue has been to give at one view a complete list of all the speeies of the Lepidopterous Insects of the family Papilionidæ now in the British Museum Collection, and a reference to those speeies known to exist in other eollections, but which are at present desiderata in the Museum Collection, to enable travellers, eollectors and others to assist in completing the national colleetion.

An indieation of the separate locality of each speeies is given, and in most eases the sex is also noticed.

Great care has been taken to adapt the generie and specific names first used to the genera or species, and a reference has been made to the works in which the speeies have been described and figured.

In those cases where the two sexes of the same speeies, or any partieular individual state or variety belonging to it, have been differently named, the name or figure exelusively appertaining to the state or individual is plaeed after the indieation of the speeimen to whieh it applies.

Mr. George Robert Gray has taken great eare in the determination of the speeies, the verifieation of the synonyms, in arranging them in aeeordanee with the present state of the seienee, and in describing the species and varieties whieh appear not to have been previously reeorded.

Figures of the new speeies and varieties eontained in the Museum Collection have been appended, from drawings on stone by Miss Elizabeth and Mr. William Wing, and eoloured by Mr. Standish.

JOHN EDWARD GRAY.

British Museum, December 1, 1852.

CATALOGUE OF LEPIDOPTEROUS INSECTS.

Class INSECTA.

Order LEPIDOPTERA.

Lepidoptera, *Linn.*
Glossata, *Fabr.*
Lepidioptera, *Clairv.*
Lepidoptères, *Boisd.*
Rhopalocera, *Boisd.*

Section DIURNA.

Diurna, *Latr.*
Succinctæ vel Succincti, *Boisd.*

Fam. I. PAPILIONIDÆ.

Papilionidæ, *Leach.*
Papilionides, *Boisd.*
Archontes Heroici, A. Dominantes, et A. Sapientes, *Hübn.*

1. PAPILIO.

Papilio,—Equites Troës,—E. Achivi, p., *Linn.*
Papilio,—Equites Trojani,—E. Achivi, p., *Fabr.*

a. Ornithoptera, *Boisd.*
Troides, *Hübn.*
Amphrisius, *Sw.*

1. Papilio Priamus.

♂. Papilio Priamus, *Linn. Syst. Nat.* ii. p. 744. 1. *Clerck, Icon.* t. 17. *Cram. Pap. Ex.* t. 23. f. A. B. *Fabr. Ent. Syst.* iii. i. p. 11. 32. *Herbst, Pap.* t. 1. f. 1. 2. *Esper, Ausl. Schmett.* t. 1. f. 1. *Donov. Ins. of Ind.* pl. 16. *Godt. Encyc. Meth.* ix. p. 25. 1.

Ornithoptera Priamus, *Boisd. Sp. Gen. Lep.* i. p. 173. 1. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 18. *E. Doubl. List,* p. 1, *et Gen. of D. Lep.* p. 4.

Troides Priamus, *Hübn. Verz. bek. Schmett.* p. 88.

Archontes Dominans Priamus, *Hübn. Samml. Exot.* ii. t. 115. 116. ♀.

♀. Papilio Panthous ♀, *Linn. Syst. Nat.* ii. p. 748. 17. *Clerck, Icon.* t. 19. *Fabr. Ent. Syst.* iii. i. p. 18. 56. *Cram. Pap. Ex.* t. 123. f. A; t. 124. f. A. *Herbst, Pap.* t. 5. *Esper, Ausl. Schmett.* t. 10. *Godt. Encyc. Meth.* ix. p. 25. 2.

In Collection (Brit. Mus.) from Amboina. Males.

2. Papilio Richmondia.

Papilio (Ornithoptera) Richmondia, *G. R. Gr.*

Male. Pl. II. f. 1.—Primary wings are similar to those of *P. Priamus*, both in colour and markings, except that the irregular rich green band, which commences at the base and runs along the inner margin and then the outer margin towards the anterior angle, extends to a little beyond the first median nervule; while in all the other species it reaches the fifth subcostal nervule.

Secondary wings are also similar; but the round black spots are four and sometimes five in number, commencing in the space between the costal nervure and the first subcostal nervule, but the first and second are without the small golden spot which is found in *P. Priamus*.

The under surface of the primary wings is like that of *P. Priamus* in the form of the markings, but it exhibits a bluish tinge, and the spots between the nervules are more distinctly separated into two parts in each space by a broader band of black, that runs from the fifth subcostal to the first discoidal nervules.

The under surface of the secondary wings is also like that of *P. Priamus* in general appearance; but the greater part of the surface is of a bluish green; the base and around the nervure inwardly of the discoidal cell, black; the spot between the costal nervure and the first subcostal nervule is of an irregular form and of a king-yellow: this colour extends around the outer margin between the black spots and the margin; the space between the third median nervule and the submedian nervure is mostly bluish green, but posteriorly yellow, with the base and a spot near the outer margin black; the inner margin brown.

Female. Pl. II. f. 2.—Primary wings similar in markings to those of the female of *P. Priamus*, but they are less in size and are covered by numerous minute black scales, which give them an obscure appearance.

Secondary wings are also similar, except that the large spots, which are of the same tear-shaped form, between the nervules along the outer margin touch the nervule on each side; and the four between the second subcostal and the third median nervules are similar to one another in having a black sublunate spot in the middle of each, which is sometimes connected to the outer margin; the two spaces between the costal nervure and the second subcostal nervule are marked with two irregular spots each, the one nearest the margin being ochraceous; the anal angle has a subquadrate spot of ochre colour.

The under surface of all the wings is similar in markings to the upper side, but the white colour is not so obscured by minute black specks; each large tear-shaped spot on the secondary wings has the outer portion yellow; the spot between the first and second subcostal nervules and the one at the anal angle partake more of the tear-shape than those of the upper side, and it contains a brown spot, somewhat like the others in form.

In Collection (Brit. Mus.) from Richmond River, New South Wales. Males and Female.

3. Papilio Pronomus.

Papilio (Ornithoptera) Pronomus, *G. R. Gr.*

♂. Papilio Priamus ♂, *Lucas, Lepid. Exot.* t. 1?

♀. Ornithopterus Poseidon ♀, *Westw. Cab. Or. Ent.* pl. 14?

Male. Pl. I. f. 1.—In general appearance it is like that of the *P. Priamus*, but is rather smaller, and the primary wings (beside the prominent bands of rich green) have the outer side of the median nervure and more or less of the base of the median nervules ornamented with the same rich green.

Secondary wings have the outer margin much narrower than in *P. Priamus*, but with three rounded black spots, one on each space between the costal nervure and the discoidal nervule; the spot that is situated between the second subcostal and discoidal nervules is sometimes very small; beneath each of these spots is, in some specimens, a small golden spot.

The under surface of the primary wings is marked very similarly to that of *P. Priamus*, but the golden green partakes of a bluish tinge throughout its surface. The under surface of the secondary wings is also similarly marked, but the general surface is bluish, with the marginal portion golden green; the golden spot above the black spot between the costal nervure and the first subcostal nervule is of a more lengthened form, though it is sometimes very small; the golden spot below the second, third and fourth black spot is not so

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prominently marked as in *P. Priamus*; the outer black margin is very narrow, and the anal angle is buffy yellow with a black heart-shaped spot, while in *P. Priamus* this space is black with a small buffy yellow mark.

Female. Pl. I. f. 2.—This sex agrees better with the figure given in the 'Voyage de l'Astrolabe,' t. 4, than with any figure that represents the female of *P. Priamus*; but it differs from it by the marking in the discoidal cell of the primary wings being more diffused towards the disco-cellular nervules; the other white markings are similar in position and form, but in some cases they are rather larger. The secondary wings are also like the above-mentioned figure; the four large buffy white spots between the nervules retain somewhat of the tear-shaped form, especially the two that occupy the two spaces between the second subcostal and the first median nervules; but none of the spots advance to the disco-cellular nervules, nor to the median nervure, nor is there any white spot within the discoidal cell as is represented in that figure, though they possess the black spot in the middle of each; the anal angle is buffy white, showing the black spot that exists on the under surface; and at the anterior angle there are two buffy white spots.

The under surface of the primary wings is like the upper; but the mark in the discoidal cell is not so diffused. The under surface of the secondary wings is also like the upper side; but the two spots at the anterior angle and the outer portion of the space between the nervules are of a rich yellow; and the space at the anal angle is equally as prominent as the others.

In Collection (Brit. Mus.) from Cape York, Northern Australia. Males and Female.

The female given by Mr. Westwood as that of *P. Poseidon* must be considered the same as the one above-described; but it differs from the specimen contained in the collection that was brought with the males in several particulars, viz. the marking in the discoidal cell of the primary wings is not diffused towards the disco-cellular nervules; and there is only a single spot between the second discoidal and the first median nervules; the two spots between the third median nervule and the submedian nervure are much less in size.

The secondary wings have the white spots between the nervules more of a tear-shape, and the black spot in the middle of each is rather larger and of a more decided black; there is not any ochraceous spot represented between the costal and the first subcostal nervule; the black spot at the anal angle is placed at the inner part of the white.

It should also be observed that this figure is eight inches across from tip to tip of the primary wings, and therefore three-quarters of an inch larger than the specimen represented on Pl. I. f. 2.

4. Papilio Archideus.

Ornithoptera Priamus ♀, *Boisd. Voy. de l'Astrolabe*, t. 4. f. 1. 2.
Ornithoptera Priamus, var. ♀, *Boisd. Sp. Gen. Lep.* i. p. 174.
Papilio (Ornithoptera) Archideus, *G. R. Gr.*

This species agrees in many particulars with the female of *P. Pronomus*, but the white of the secondary wings reaches to the disco-cellular nervules and a portion of the median nervure, and it also occupies a small space within the discoidal cell, while the black spots between the nervules are of a larger size.

Examples of the male from Celebes are at present unknown, which is much to be regretted, as an examination of that sex would greatly assist in defining whether it ought to be considered a distinct species or not. It is however placed as distinct, on account of the characters pointed out in the above short notice.

5. Papilio Poseidon.

Ornithoptera Poseidon, *E. Doubl. Ann. Nat. Hist.* xvi. p. 173. *Id. Gen. of D. Lep.* p. 4. 3.
Ornithopterus Poseidon, *Westw. Cab. Or. Ent.* pl. 11 ♂.

This species differs from *P. Pronomus* by the rich green colour narrowly extending along *both* sides of the median nervure, and partly or entirely along the course of the nervules of the primary wings towards the outer margin; and there is not any black spot in the buffy yellow space at the anal angle beneath the secondary wings. The markings beneath the primary wings, and almost the entire surface beneath the secondary wings, are of a

yellowish green, with some golden yellow between the row of black spots and the outer margin; the latter is bordered very narrowly with black.

It is to be regretted that the female of this species has not yet been recorded from Darnley Island; there cannot be much doubt that it would exhibit some marked differences from that sex of the other species, as is the case with the male.

In Collection (Brit. Mus.) from Darnley Island, North of Australia. Male.

Mr. Westwood has, in his 'Cabinet of Oriental Entomology,' drawn attention to a description of *P. Priamus*, which, as he observes, seems to approach *P. Poseidon*; it is given by Dr. De Haan, in his fine work on the Insects of the Dutch Settlements, as from New Guinea.

"Smaller (than *P. Priamus*). Expansion of wings six inches. Anterior wings: brown spot under the median vein longer, beginning at the fourth branch; median vein bordered with green. The posterior wings have no black spots on the green patch. Underneath the anterior wings have the discoidal cell marked with a green spot, extending half its length; and the green spots between the veins are separated from each other by a broader black band; the anal angle of the posterior wings is yellow, with a small black spot; the patch in the middle is yellowish green; the golden yellow marginal spots between the first veins are wanting; the six black spots are smaller."

6. Papilio Euphorion.

Ornithoptera Priamus ♀, *E. Doubl. List of Lepid. Ins. Brit. Mus.* i. p. 1.
Papilio (Ornithoptera) Euphorion, *G. R. Gr.*

Female. Pl. II. f. 3.—In size and general appearance it approaches very near the female of *P. Priamus*; but the band in the discoidal cell of the primary wings contains a small spot, which is also the case with the white streak between the fourth and fifth subcostal nervules; and the one between the fifth subcostal and discoidal nervules is divided into two unequal parts; the spots near the median nervure, between the first, second and third median nervules, are smaller. The tear-shaped spots on the secondary wings are of a less size and more distinctly formed, while the dark fuscous spot in the middle of each is much larger than those of any other species known; the spot in each space between the costal nervure and the second subcostal nervule is ochraceous; as is also the space at the anal angle.

The white spots of the upper surface are all speckled with minute black specks, and so is the ochraceous spot between the first and second subcostal nervule.

The markings on the under surface of all the wings are similar to those on the upper side, both in shape and colour.

Several specimens of this butterfly were brought from the interior of the northern portions of Australia by the late Allan Cunningham, and they were all of the same sex.

In Collection (Brit. Mus.) from Northern Australia. Female.

7. Papilio Urvilliana.

Papilio Urvilliana, *Guér. Voy. de la Coq. Lep.* t. 13. f. 1. 2. ♂.
Ornithoptera Priamus, var., *Boisd. Faune de l'Océanie*, p. 35.
Ornithoptera Urvilliana, *Boisd. Sp. Gen. Lep.* i. p. 175. 2. *E. Doubl. Gen. of D. Lep.* p. 4. 2. *D'Orb. Dict. de l'Hist. Nat. Atlas, Lep.* t. 6. ♂.

Offack.

8. Papilio Tithonus.

Ornithoptera Tithonus, *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 18. *Ins.* t. 1. f. 1. ♂. *E. Doubl. Gen. of D. Lep.* p. 4. 4.

New Guinea.

9. Papilio Panthous.

Papilio Panthous ♂, *Linn. Mus. Lud. Ulr.* p. 195. 14. *Clerck, Icon.* t. 18. ♀.
Papilio Hypolitus, *Cram. Pap. Ex.* t. 10. f. A. B. ♂ ; t. 11. f. A. B. ♀.
Papilio Hyppolythus, *Verlor, Esper, Ausl. Schmett.* t. 18. f. 1. ♂.
Papilio Remus, *Cram. Pap. Ex.* t. 135. f. A. ♀ ; t. 136. f. A. ♀ ; t. 386. f. A. B. ♂. *Fabr. Ent. Syst.* iii. i. p. 11. 34. *Herbst, Pap.* t. 2. f. 1. 2. ♂ ; t. 3. f. 1. ♀. *Esper, Ausl. Schmett.* t. 17. ♀. *Godt. Encyc. Meth.* ix. p. 26. 3.
Troides Remus, *Hübn. Verz. bek. Schmett.* p. 88.
Princeps dominans Hypolitus, *Hübn. Samml. Ex.* i. t. . ♀.
Ornithoptera Remus, *Boisd. Sp. Gen. Lep.* i. p. 176. 3. *E. Doubl. List Lep. Ins. Brit. Mus.* p. 1.
Ornithoptera Panthous, *E. Doubl. Gen. of D. Lep.* p. 4. 5.
In Collection (Brit. Mus.) from Amboina. Male.

10. Papilio Helena.

Papilio Helena, *Linn. Syst. Nat.* ii. p. 748. 19. *Clerck, Icon.* t. 22. f. 1. *Cram. Pap. Ex.* t. 140. f. A. B. ♂. *Fabr. Syst. Ent.* iii. i. p. 19. 59. *Herbst, Pap.* t. 3. f. 2. ♂. *Esper, Ausl. Schmett.* t. 9. ♂.
Papilio Hellen, *Godt. Encyc. Meth.* ix. p. 27. 6.
Troides Helena, *Hübn. Verz. bek. Schmett.* p. 88.
Ornithoptera Helena, *Boisd. Sp. Gen. Lep.* i. p. 177. 5. *E. Doubl. Gen. of D. Lep.* p. 4. 7.
In Collection (Brit. Mus.) from Amboina? Male.

11. Papilio Darsius.

Ornithoptera Haliphron, *Boisd.*?
Ornithoptera Amphimedon, *E. Doubl. & Hewits. Gen. of D. Lep.* pl. 1. f. 2. ♂.
In Collection (Brit. Mus.) from Ceylon. Males and Females.

12. Papilio Amphimedon.

Papilio Amphimedon, *Cram. Pap. Ex.* t. 194. f. A. *Fabr. Ent. Syst.* iii. i. p. 15. 45. *Herbst, Pap.* t. 4. f. 1. *Esper, Ausl. Schmett.* t. 18. f. 2 ; t. 40. C. f. 2. *Godt. Encyc. Meth.* ix. p. 26. 4.
Troides Amphimedon, *Hübn. Verz. bek. Schmett.* p. 88.
Ornithoptera Amphimedon, *Boisd. Voy. de l'Astrol. Lep.* t. 1. f. 1. 2. ♀ ; *Sp. Gen. Lep.* i. p. 176. 4. *E. Doubl. Gen. of D. Lep.* p. 4. 6.
Papilio Hellen ♀, *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 5.
Ornithoptera Haliphron ♂, *Boisd. Sp. Gen. Lep.* i. p. 181. 9. pt.
Amboina. Celebes.

13. Papilio Pompeus.

Papilio Pompeus, *Cram. Pap. Ex.* t. 25. f. A. *Esper, Ausl. Schmett.* t. 24. f. 2.
Papilio Astenous, *Fabr. Syst. Ent.* iii. i. p. 19. 59. *Herbst, Pap.* t. 2. f. 3.
Papilio Minos, *Cram. Pap. Ex.* t. 195. f. A. ♀. *Herbst, Pap.* t. 4. f. 2. *Esper, Ausl. Schmett.* t. 32. f. 1.
Papilio Heliacon, *Fabr. Ent. Syst.* iii. i. p. 19. 60. *Donov. Ins. of Ind.* pl. 22. f. 1, ex *Jones, Icon. ined.* i. t. 42.
Papilio Amphrisius, p., *Godt. Encyc. Meth.* ix. p. 27. 7.
Troides Astenous et T. Minos, *Hübn. Verz. bek. Schmett.* p. 88.
Amphrisius Nymphalides, *Swains. Zool. Illustr.* 2nd ser. pl. 98.
Ornithoptera Heliacon, *Boisd. Sp. Gen. Lep.* i. p. 178. 7. *E. Doubl. List Lep. Ins. Brit. Mus.* p. 2.
Ornithoptera Pompeius, *E. Doubl. Gen. of D. Lep.* p. 4. 9.
In Collection (Brit. Mus.) from Java, Penang, Borneo, and Sylhet, N. India. Males and Females.

14. Papilio Rhadamanthus.

Papilio Astenous, *Eschsch. Voy. Kotzebue*, t. 4. f. A. B. C.

Ornithoptera Rhadamanthus, *Boisd. Sp. Gen. Lep.* i. p. 180. 8. *E. Doubl. Gen. of D. Lep.* p. 4. 10.

Papilio Amphrisius ♂, *Lucas, Lep. Exot.* t. 2. f. 1.

In Collection (Brit. Mus.) from Northern India (Nepaul), Moulmein, and Hong Kong.

15. Papilio Amphrisius.

Papilio Amphrysus, *Cram. Pap. Ex.* t. 219. f. A.

Papilio Amphrisius, *Fabr. Ent. Syst.* iii. i. p. 11. 33. *Godt. Encyc. Meth.* ix. p. 27. 7. pt.

Papilio Amphrisus, *Herbst, Pap.* t. 1. f. 3. *Esper, Ausl. Schmett.* t. 34. f. 1.

Troides Amphrysus, *Hübn. Verz. bek. Schmett.* p. 88.

Ornithoptera Amphrisius, *Boisd. Sp. Gen. Lep.* 1. p. 178. 6. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 19? *E. Doubl. Gen. of D. Lep.* p. 4. 8.

In Collection (Brit. Mus.) from Penang, Northern India, and Borneo. Males and Females.

Note.

Papilio Pandarus, *Linn. Syst. Nat.* i. p. 748. 18. *Fabr. Ent. Syst.* iii. i. p. 19. 57. *Herbst, Pap.* t. 6. f. 1. *Godt. Encyc. Meth.* ix. p. 27. 5.

Papilio Pseudopandarus, *Esper, Ausl. Schmett.* t. 40. f. 1.

India.

A doubtful species; these figures are supposed to have been made to represent the description of Linnæus.

b. Papilio, p., *Linn., Fabr., Godt., Boisd.*

Zelima, *Fabr., Zink., Somm.*

Iphiclides—Jasonides—Euphæades—Heraclides—Lacrtiades—Menelaides—Achillides—Idaides—Zetides—Orpheides—Nestorides—Calaides—Priamides—Parides—Ithobalus—Iliades—Arisbe—Zelides—Eurytides—Hectorides—Ascanides—Amauris, *Hübn.*

Polydorus—Chlorisses—Thoas—Protesilaus—Clytia—Cressida, *Swains.*

Danais, p., *Godt.*

16. Papilio Antimachus.

Papilio Antimachus, *Drury, Exot. Ins.* iii. pl. 1. *Fabr. Ent. Syst.* iii. i. p. 11. 31. *Esper, Ausl. Schmett.* t. 22. f. 2. *Donov. Nat. Repos.* pl. 100. 101, ex *Jones, Icon. ined.* i. 41. f. 1. 2. *Godt. Encyc. Meth.* ix. p. 28. 8. *Boisd. Sp. Gen. Lep.* i. p. 188. 1. *Westw. Arc. Ent.* p. 146. *E. Doubl. Gen. of D. Lep.* p. 8. 1.

West Africa (Sierra Leone).

17. Papilio Ridleyanus.

Papilio Ridleyanus, *White, Ann. Nat. Hist.* xii. (1843) p. 264. *E. Doubl. & Hewits. Gen. of D. Lep.* p. 8. 2. pl. 3. f. 3.

In Collection (Brit. Mus.) from Congo, West Africa.

18. Papilio Cyrnus.

Papilio Cyrnus, *Boisd. Sp. Gen. Lep.* i. p. 239. 63. *E. Doubl. Gen. of D. Lep.* p. 8. 3.

In Collection (Brit. Mus.) from Madagascar.

19. Papilio Latreillianus.

Papilio Latreillianus, *Godt. Encyc. Meth.* ix. p. 44. 57. *Guér. Iconogr. Reg. An.* t. 76. f. 1. *Boisd. Sp. Gen. Lep.* i. p. 240. 64. *Westw. Arc. Ent.* p. 148. *E. Doubl. Gen. of D. Lep.* p. 9. 4.

In Collection (Brit. Mus.) from Sierra Leone, West Africa.

20. Papilio Tynderæus.

Papilio Tynderæus, *Fabr. Ent. Syst.* iii. i. p. 35. 104. *Donov. Nat. Repos.* pl. 83, ex *Jones, Icon. ined.* i. t. 57. *Boisd. Sp. Gen. Lep.* i. p. 241. 65. *Westw. Arc. Ent.* p. 148.

Papilio Tyndaræus, *Godt. Encyc. Meth.* ix. p. 45. 59. *E. Doubl. Gen. of D. Lep.* p. 9. 5.

Papilio Nausinous, *Godt. Encyc. Meth.* ix. p. 45. 58.

In Collection (Brit. Mus.) from Sierra Leone, West Africa.

21. Papilio Leonidas.

Papilio Leonidas, *Fabr. Ent. Syst.* iii. i. p. 35. 103, ex *Jones, Icon. ined.* i. t. 62. *Godt. Encyc. Meth.* ix. p. 44. 56. *Boisd. Sp. Gen. Lep.* i. p. 242. 66. *Westw. Arc. Ent.* p. 149. *E. Doubl. Gen. of D. Lep.* p. 9. 6.

Papilio similis, *Cram. Pap. Ex.* t. 9. f. B. C.

Arisbe similis, *Hübn. Verz. bek. Schmett.* p. 89.

In Collection (Brit. Mus.) from Sierra Leone and Ashanti, West Africa.

Variety *a*.

Male. Pl. V. f. 3.—The primary wings brownish black, with three or four spots of white in the discoidal cell; two or three are placed in a short line in the middle, and one in the anterior part of the cell (these spots, in some specimens, are almost absorbed by the brownish black); the outer margin has a row of very small spots, and there are three larger spots near the summit; and between the first and second median nervules there is a large spot, while between the third median nervule and the submedian nervure there is a rather smaller spot of which

The secondary wings brownish black, with a broad space of greenish white near the base, which is divided into five unequal spots by the greater portions of the subcostal and the median nervules, and also by the basal parts of the first subcostal nervule and of the third median nervule; the outer margin has a row of round spots of greenish white, and within are some smaller ones, also rounded.

The under surface of the primary wings is brownish black, clearer at the summit and obscure red at the base, while the white markings are similar to those on the upper side. The under surface of the secondary wings is ochraceous brown, with the base obscure red and black spotted; one of the latter has a white spot in its middle; the white space near the base and the marginal spots are similar to those on the upper side.

In Collection (Brit. Mus.) from Zoolu, South Africa.

22. Papilio Adamastor.

Papilio Adamastor, *Boisd. Sp. Gen. Lep.* i. p. 371. 216. *Westw. Arc. Ent.* p. 153. pl. 38. f. 3. *E. Doubl. Gen. of D. Lep.* p. 9. 7.

Papilio Agamedes, *Westw. Ann. Nat. Hist.* ix. (1842) p. 38; *Arc. Ent.* p. 154. pl. 37. f. 3. & pl. 39. f. 3.

In Collection (Brit. Mus.) from Ashanti and Fort Accra, West Africa.

23. Papilio Pylades.

Papilio Pylades, *Fabr. Ent. Syst.* iii. i. p. 34. 100. *Donov. Nat. Repos.* pl. 13, ex *Jones, Icon. ined.* i. t. . *Godt. Encyc. Meth.* ix. p. 43. 54. *Boisd. Sp. Gen. Lep.* i. p. 244. 69. *Westw. Arc. Ent.* p. 149. *E. Doubl. Gen. of D. Lep.* p. 9. 8.

Zelima Pylades, *Fabr.*

Zelides Pylades, *Hübn. Zutr.* f. 941. 942.

In Collection (Brit. Mus.) from Sierra Leone, West Africa.

Variety *a*.

Papilio Corrincus, *Bert. Trans. Acad. Sci. Bologna*, 1849, p. . t. 1. f. 1–3. *Westw. Gen. of D. Lep. Add.* p. 529.

Papilio Pylades, var., *E. Doubl. List of Lep. Ins. Brit. Mus.* p. 7.

In Collection (Brit. Mus.) from Congo, West Africa.

24. Papilio Morania.

Papilio Morania, *Angas's Kafirs Illustr.* pl. 30. f. 1.

In Collection (Brit. Mus.) from Zoolu, South Africa.

25. Papilio Endochus.

Papilio Endochus, *Boisd. Sp. Gen. Lep.* i. p. 243. 68. *E. Doubl. & Hewits. Gen. of D. Lep.* p. 9. 9. pl. 3. f. 2.

In Collection (Brit. Mus.) from Madagascar.

26. Papilio Anactus.

Papilio Anactus, *M'Leay, King's Surv. of Austr. App.* p. 458. 134. *Boisd. Sp. Gen. Lep.* i. p. 219. 37. *Westw. Arc. Ent.* pl. 52. f. 3. *E. Doubl. Gen. of D. Lep.* p. 9. 10.

In Collection (Brit. Mus.) from Australia.

27. Papilio Varuna.

Papilio Varuna, *White, Newm. Entomol.* 1842, p. 280. *Westw. Ann. Nat. Hist.* ix. (1842) p. 37. *E. Doubl. Gen. of D. Lep.* p. 9. 11.

Papilio Astorion, *Westw. Ann. Nat. Hist.* ix. (1842) p. 37; *Arc. Ent.* pl. 66. f. 1. ♂.

Papilio Chara, *Westw. Arc. Ent.* pl. 66. f. 2. ♀.

In Collection (Brit. Mus.) from Penang and Sylhet.

28. Papilio Nox.

Papilio Nox, *Swains. Zool. Ill.* pl. 102. *Horsf. Lep. Ins. E. I. Comp.* pl. 1. f. 1. *Boisd. Sp. Gen. Lep.* i. p. 277. 100. *E. Doubl. Gen. of D. Lep.* p. 9. 12.

Papilio Memercus, *Godt. Ency. Meth.* ix. *Suppl.* p. 809?

Papilio Neesius, *Zinken, Nov. Act. Acad. Nat. Cur.* xv. t. 14. f. 1.

Papilio Nox, var., *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 41. *Ins.* t. 5. f. 3.

In Collection (Brit. Mus.) from Pulo Penang.

29. Papilio Aidoneus.

Papilio Aidoneus, *E. Doubl. Ann. Nat. Hist.* xvi. (1845) p. 178. *Id. Gen. of D. Lep.* p. 9. 13.

Northern India.

30. Papilio Zagreus.

Papilio Zagreus, *E. Doubl. & Hewits. Gen. of D. Lep.* pl. 1*. f. 1. *Westw. Gen. of D. Lep. Add.* p. 529.

In Collection (Brit. Mus.) from Venezuela, South America.

A specimen of this species is contained in the valuable collection of W. C. Hewitson, Esq., which differs from that figured in several particulars; viz. the primary wings have the mark near the middle of the discoidal cell nearly as broad as long; while the three spots at the disco-cellular nervules are wanting, which is also the case with the spots below and close to the median nervure, except at the bases of the second and third median nervules, where there is a slight indication of a spot; the spots between the median nervure and the outer and

inner margins are more oval in form, and are placed more in the middle of the spaces between the nervules, except the one between the second discoidal and first median nervules, which touches the apex of the median nervure; the series of spots along the outer margin are more prominent; all the spots of these wings are more inclined to yellow than in the specimen contained in the Collection of the Museum. The secondary wings are similar to the specimen referred to, but the ochraceous colour does not extend so far towards the outer margin, nor is it spotted with black, but this space is broadly bordered anteriorly with yellow; the spots along the outer margin are rather smaller, and the one between the submedian nervure and inner margin is obliterated.

The under surface of the primary wings is similar to the upper side, but along the outside of the apical part of the costal nervure and the disco-cellular nervures of the primary wings there is a yellow mark, and most of the under surface of the secondary wings is dark ochraceous, having only a streak and a spot of black; otherwise it is similar to the specimen figured.

This specimen was brought from Quito.

31. Papilio Philoxenus.

Papilio Philoxenus, *G. R. Gr. Lep. Ins. of Nepaul*, p. 5. pl. 2. *Boisd. Sp. Gen. Lep.* i. p. 264. 88. *E. Doubl. Gen. of D. Lep.* p. 8. 14. *Westw. Cab. Or. Ent.* pl. 40. f. 2.

In Collection (Brit. Mus.) from Nepaul and Sylhet.

Variety *a*.

Papilio Polyeuetes, *E. Doubl. Gray's Zool. Misc.* p. 74. *E. Doubl. & Hewits. Gen. of D. Lep.* p. 9. 15. pl. 2. f. 3. *Westw. Cab. Or. Ent.* pl. 40. f. 3.

Papilio Bootes, pt., *Erichs.*

In Collection (Brit. Mus.) from Sylhet.

Variety *b*.

Papilio Philoxenus, var., *Westw. Cab. Or. Ent.* pl. 40. f. 5.

In Collection (Brit. Mus.) from Northern India.

Variety *c*.

Papilio Philoxenus, var., *Westw. Cab. Or. Ent.* pl. 40. f. 4.

In Collection (Brit. Mus.) from Northern India.

32. Papilio Minereus.

Papilio Minereus, *G. R. Gr. Lep. Ins. of Nepaul*, p. 5. pl. 1. *Westw. Cab. Or. Ent.* pl. 40. f. 1. *E. Doubl. Gen. of D. Lep.* p. 9. 16.

Papilio Latreillii, *Donov. Nat. Repos.* pl. 140.

Papilio Philoxenus ♀, *Boisd. Sp. Gen. Lep.* i. p. 264.

Papilio Philoxenus, var., *Westw.*

In Collection (Brit. Mus.) from Nepaul.

33. Papilio Polydorus.

Papilio Polydorus, *Linn. Syst. Nat.* i. p. 746. 10. *Clerck, Icon.* t. 33. f. 3. *Fabr. Syst. Ent.* iii. i. p. 9. 26. *Esper, Ausl. Schmett.* t. 5. f. 2. *Godt. Encyc. Meth.* ix. p. 71. 130. *E. Doubl. Gen. of D. Lep.* p. 9. 18.

Menelaides polydorus ♀, *Hübn. Samml. Exot.* ii. t. 101.

Papilio Polydorus, *Boisd. Sp. Gen. Lep.* i. p. 267. 90.

Papilio Leobotes, *Reinw. De Haan, Verh. Nat. Ges. Ned. Overz. Bez. Ins.* p. 38. t. 6. f. 3. ♀.

Papilio Adamas, *Zinken.*

In Collection (Brit. Mus.) from Northern India? and Australia (Rockingham Bay).

34. Papilio Diphilus.

Papilio Polidorus, *Cram. Pap. Ex.* t. 128. f. A. B.

Papilio Polydorus, *Herbst, Pap.* t. 15. f. 3.

Papilio Diphilus, *Esper, Ausl. Schmett.* t. 40. f. 1. *E. Doubl. Gen. of D. Lep.* p. 9. 20.

Menelaides Polydorus, *Hübn. Verz. bek. Schmett.* p. 84.

Princeps Heroicus Polydorus, *Hübn. Samml. Exot.* i. t. 110.

Polydorus Thoas, *Swains. Zool. Illustr.* 2nd ser. pl. 100.

Papilio Polydorus, p., *Godt. Encyc. Meth.* ix. p. 71. 130.

Papilio Polydorus, var., *Boisd. Sp. Gen. Lep.* i. p. 267. 90. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 38. t. 8. f. 1.

In Collection (Brit. Mus.) from India.

Variety *a*.

With the longitudinal white spots below, but close to the discoidal cell of the secondary wings.

In Collection (Brit. Mus.) from Java and Northern China.

Variety *b*.

With the longitudinal white spots below, at a little distance from the discoidal cell of the secondary wings.

In Collection (Brit. Mus.) from India.

Variety *c*.

With the longitudinal white spots below, but close to the discoidal cell, and with another spot at the posterior part within the cell, which is less prominent in the female.

In Collection (Brit. Mus.) from Ceylon.

35. Papilio Jophon.

Papilio Jophon, *G. R. Gr.*

Female. Pl. IV. f. 4.—The primary wings deep black, with four more or less apparent spots near the middle of the discoidal cell of dull white, having numerous scattered black scales over their surface; a series of dull white marks on the outer margin, each of which is more or less bifid outwardly and placed between the nervules, but that between the third median nervule and the submedian nervure is divided into two unequal spots by the fold in the middle.

The secondary wings are deep black, with a large space of ochraceous white partly clothed with black scales near the middle of the wing, which is divided into eight unequal spots by the apical portion of the nervure which forms the discoidal cell and by the bases of the nervules; six lunes of dull red are placed along the outer margin, decreasing in size to the anterior angle, and there is a small reddish lune at the anal angle.

The under surface of all the wings is deep black, with the same markings as are exhibited on the upper surface, but they are much clearer in colour and thereby more prominent.

In Collection (Brit. Mus.) from Ceylon.

This species approaches very much to the last variety of *P. Diphilus*, but the primary wings are rather pointed and narrower throughout; though the specimen is a female, it is of a deeper black than those of the last species, and the white is more prominent, although it is somewhat obscured by scattered black scales; the white in the discoidal cell of the secondary wings occupies a larger space, and is surrounded with *seven* spots of the same colour.

36. Papilio Godartianus.

Papilio Godartianus, *Boisd. Lucas, Rev. et Mag. de Zool.* 1852, p. 129. t. 10. f. 1. *Westw. Gen. of D. Lep. Add.* p. 529.

Islands of the Pacific Ocean.

37. Papilio Antiphus.

Papilio Antiphus, *Fabr. Syst. Ent.* iii. i. p. 10. 28. *Donov. Ins. of Ind.* pl. 15. f. 2, ex *Jones, Icon. ined.* i. t. 14. *Godt. Encyc. Meth.* ix. p. 71. 129. *Boisd. Sp. Gen. Lep.* i. p. 266. 89. *E. Doubl. Gen. of D. Lep.* p. 9. 21.

Papilio Polygius, *Godt. Encyc. Meth.* ix. *Suppl.* p. 811.

♀. Papilio Theseus, *Cram. Pap. Ex.* t. 180. f. B. *Fabr. Ent. Syst.* iii. i. p. 2. 4. *Herbst, Pap.* t. 14. f. 3. *Esper, Ausl. Schmett.* t. 36. f. 3. *Godt. Encyc. Meth.* ix. p. 71. 127. *Boisd. Sp. Gen. Lep.* i. p. 276. 99. *E. Doubl. Gen. of D. Lep.* p. 11. 63.

Menelaides Theseus, *Hübn. Verz. bek. Schmett.* p. 84.

Papilio Antiphus ♀, *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 49. *Ins.* t. 8. f. 2.

In Collection (Brit. Mus.) from Java.

Variety *a*.

Papilio Kotzebuæ, *Eschsch. Voy. Kotzebue*, t. 1. f. 2.

Papilio Antiphus ♂, *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 5 & 40.

Manilla.

Variety *b*.

With short caudal appendages that are of an equal width throughout their length.

In Collection (Brit. Mus.) from Borneo.

38. Papilio Melanides.

Papilio Melanides, *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 40. t. 8. f. 3. ♀. *E. Doubl. Gen. of D. Lep.* p. 9. 22.

Moluccas.

39. Papilio Polyphontes.

Papilio Polyphontes, *Boisd. Sp. Gen. Lep.* i. p. 268. 91. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 39. t. 8. f. 4. ♀. *E. Doubl. Gen. of D. Lep.* p. 9. 23.

Celebes.

40. Papilio Liris.

Papilio Liris, *Godt. Encyc. Meth.* ix. p. 72. 132. *Boisd. Sp. Gen. Lep.* i. p. 268. 92. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 38. t. 4. f. 3. ♀. *E. Doubl. Gen. of D. Lep.* p. 9. 24.

Papilio Macklotii, *De Haan's MSS.*

In Collection (Brit. Mus.) from Northern Australia.

41. Papilio Hector.

Papilio Hector, *Linn. Syst. Nat.* i. p. 745. 2. *Clerck, Icon.* t. 33. f. 1. *Cram. Pap. Ex.* t. 141. f. A. *Fabr. Syst. Ent.* iii. i. p. 3. 7. *Herbst, Pap.* t. 13. f. 2. *Esper, Ausl. Schmett.* t. 1. f. 2. *Godt. Encyc. Meth.* ix. p. 70. 124. *Boisd. Sp. Gen. Lep.* i. p. 269. 93. *Lucas, Lep. Exot.* t. 4. f. 2. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 39. *Westw. Arc. Ent.* pl. 3. *E. Doubl. Gen. of D. Lep.* p. 9. 25.

Menelaides Hector, *Hübn. Verz. bek. Schmett.* p. 84.

Princeps Heroicus Hector, *Hübn. Samml. Exot.* i. t. 109.

In Collection (Brit. Mus.) from India and Ceylon.

42. Papilio Romulus.

Papilio Romulus, *Cram. Pap. Ex.* t. 43. f. A. *Esper, Ausl. Schmett.* t. 25. f. 2. *E. Doubl. Gen. of D. Lep.* p. 10. 26.

Papilio Mutius, *Fabr. Syst. Ent.* iii. i. p. 3. 6. *Godt. Encye. Meth.* ix. p. 70. 125. *Boisd. Sp. Gen. Lep.* i. p. 270. 94.

Papilio Hector ♀, *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 6. 39.

♀. Papilio Astyanax, *Fabr. Syst. Ent.* iii. i. p. 13. 37. *Donov. Ins. of Ind.* pl. 23. f. 1, ex *Jones, Icon. ined.* i. t. 20. *Godt. Encye. Meth.* ix. p. 72. 131. *Boisd. Sp. Gen. Lep.* i. p. 271. 95.

Papilio Mutius, var. ?, *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 6.

Menelaides Romulus, *Hübn. Verz. bek. Schmett.* p. 84.

In Collection (Brit. Mus.) from Northern India and Ceylon.

43. Papilio Priapus.

Papilio Priapus, *Boisd. Sp. Gen. Lep.* i. p. 190. 3. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 23. t. 2. f. 1. *E. Doubl. Gen. of D. Lep.* p. 10. 27.

Java.

44. Papilio Lampsacus.

Papilio Lampsacus, *Boisd. Sp. Gen. Lep.* i. p. 190. 4. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 23. t. 2. f. 2. *E. Doubl. Gen. of D. Lep.* p. 10. 28.

Pegu.

45. Papilio Alcinous.

Papilio Alcinous, *Klug, Neue Schmett.* p. 1. t. 1. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 26. *E. Doubl. Gen. of D. Lep.* p. 9. 19.

Japan.

Variety. Male. Pl. IV. f. 3.—The primary wings brownish black glossed with purple, having streaks of darker colour between the nervules and in the discoidal cell. The secondary wings brownish black, having the base glossed with purple, with four lunes along the outer margin of a red colour with scattered black scales.

The under surface of the primary wings is pale brownish black, with streaks of darker colour between the nervules and in the discoidal cell. The under surface of the secondary wings is deep brownish black, with five rosy red lunes along the outer margin; and at the anal angle there is an abbreviated broad band of rosy red which is paler in part.

Female. Pl. IV. f. 4.—The primary wings pale hair-brown with a purplish gloss, and the anterior and outer margins brownish black; the discoidal cell and the spaces between the nervules are marked with black streaks.

The secondary wings pale hair-brown with a satiny gloss at the base, while posteriorly they are black with a velvety appearance; five narrow lunes of pinkish white, with scattered black scales, run along the outer margin, those towards the anterior angle decreasing in size.

The under surface of the primary wings is pale hair-brown slightly tinged with purple, with the streaks as seen on the upper side. The under surface of the secondary wings is entirely black, more or less with a velvety appearance; six rosy red lunes are placed along the outer margin, and at the anal angle there is a large spot of the same colour.

In Collection (Brit. Mus.) from Northern China.

It is called 'Chentih' by the Chinese.

46. Papilio Polymnestor.

Papilio Polymnestor, *Cram. Pap. Ex.* t. 53. f. A. B. *Fabr. Ent. Syst.* iii. i. p. 18. 55. *Herbst, Pap.* t. 7. f. 3. 4. *Esper, Ausl. Schmett.* t. 19. f. 1. *Donov. Ins. of Ind.* pl. 23. f. 2. *Godt. Encye. Meth.* ix. p. 29. 11. *Lucas, Lep. Exot.* t. 12. f. 1. *Boisd. Sp. Gen. Lep.* i. p. 191. 5. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 23. *E. Doubl. Gen. of D. Lep.* p. 10. 29.

Iliades Polymnestor, *Hübn. Verz. bek. Schmett.* p. 88.

In Collection (Brit. Mus.) from Ceylon.

47. Papilio Memnon.

Papilio Memnon, *Linn. Syst. Nat.* ii. 747. 13. *Cram. Pap. Ex.* t. 91. f. C. *Fabr. Ent. Syst.* iii. i. p. 12. 36. *Herbst, Pap.* t. 6. f. 2. 3. *Esper, Ausl. Schmett.* t. 20. f. 3. *Godt. Encyc. Meth.* ix. p. 29. 10. *Boisd. Sp. Gen. Lep.* i. p. 192. 6. *Swains. Zool. Illustr.* 2nd ser. pl. 95. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 23. t. 3. f. 1. *E. Doubl. Gen. of D. Lep.* p. 10. 30.

Iliades Memnon, *Hübn. Verz. bek. Schmett.* p. 89.

Papilio Arbates, *Zinken, Nova Acta Acad. Nat. Cur.* xv. p. 151.

In Collection (Brit. Mus.) from Java.

Variety *a*.

Papilio Androgeos, *Cram. Pap. Ex.* t. 91. f. A. B.

Papilio Memnon, *Esper, Ausl. Schmett.* t. 8. f. 1.

Iliades Mestor, *Hübn. Verz. bek. Schmett.* p. 89.

In Colleetion (Brit. Mus.) from Borneo, Northern India and China.

Variety *b*.

Papilio Anceus, *Cram. Pap. Ex.* t. 222. f. A. B. *Herbst, Pap.* t. 8. f. 1. 2. *Esper, Ausl. Schmett.* t. 35. f. 1.

Iliades Ancæus, *Hübn. Verz. bek. Schmett.* p. 88.

Sumatra.

Variety *c*.

Papilio Laomedon, *Cram. Pap. Ex.* t. 50. f. A. B. *Esper, Ausl. Schmett.* t. 26. f. 2.

Papilio Memnon, pt., *Fabr. Ent. Syst.* iii. i. p. 12. 36.

Iliades Laomedon, *Hübn. Verz. bek. Schmett.* p. 89.

In Collection (Brit. Mus.) from Java and Northern India.

Variety *d*.

Like *P. Laomedon* in form and general appearance, but the primary wings are marked on the inner margin by a spaee of white. The secondary wings black, speckled between the nervules with pale blue scales.

In Collection (Brit. Mus.) from Northern India.

Variety *e*.

Papilio Laomedon, var., *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 24. t. 3. f. 2.

Eastern Archipelago (Padang).

Variety *f*.

Like the former, but without the buff space at the anal angle of the secondary wing, while beneath, at the same part, there is a large space of yellowish red, spotted with black.

In Collection (Brit. Mus.) from Penang.

Variety *g*.

Papilio Agenor, *Linn. Syst. Nat.* ii. 747. 14. *Clerck, Icon.* t. 15. *Cram. Pap. Ex.* t. 32. f. A. B. *Fabr. Ent. Syst.* iii. i. p. 13. 39. *Herbst, Pap.* t. 8. f. 3. *Esper, Ausl. Schmett.* t. 26. f. 1. *Donov. Ins. of China*, pl. 24. f. 2. *Godt. Encyc. Meth.* ix. p. 28. 9.

Iliades Agenor, *Hübn. Verz. bek. Schmett.* p. 89.

In Collection (Brit. Mus.) from Northern India.

Variety *h*.

Papilio Achates, var., *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 24. t. 3. f. 3.

Eastern Archipelago.

Variety *i*.

Papilio Achates, *Cram. Pap. Ex.* t. 182. f. A. B; t. 243. f. A. *Fabr. Ent. Syst.* iii. i. p. 9. 24. *Herbst, Pap.* t. 15. f. 1. *Esper, Ausl. Schmett.* t. 28. f. 1. *Godt. Encyc. Meth.* ix. p. 64. 107.
Papilio Achatiades, *Esper, Ausl. Schmett.* t. 28. f. 2; t. 29. f. 1.
Achillides Achates, *Hübn. Verz. bek. Schmett.* p. 85.
In Collection (Brit. Mus.) from Northern India.

Variety *j*.

Like *P. Achates* in form and general appearance, but without the red triangular spot at the base of the primary wings. The secondary wings are marked, in the place of the red, as in *P. Achates*, with ochraceous.
In Collection (Brit. Mus.) from Java.

Variety *k*.

Papilio Alcanor, *Cram. Pap. Ex.* t. 166. f. A. *Esper, Ausl. Schmett.* t. 34. f. 2.
Papilio Achates, *β.*, *Fabr. Ent. Syst.* iii. i. p. 9. 24. *Godt. Encyc. Meth.* ix. p. 64. 107.
Papilio Alphenor, *Fabr. Sp. Ins.* 2. 4. 11. *Herbst, Pap.* t. 16. f. 1.
Achillides Alcanor, *Hübn. Verz. bek. Schmett.* p. 85.
In Collection (Brit. Mus.) from Northern India.

48. Papilio Emalthion.

♂. Iliades Emalthion, *Hübn. Samml. Exot.* ii. t. 117.
Papilio Floridor ♂, *Godt. Encyc. Meth. Suppl.* ix. p. 809.
Papilio Emalthion, *Boisd. Sp. Gen. Lep.* i. 196. 7. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 24. *E. Doubl. Gen. of D. Lep.* p. 10. 31.
Papilio Krusensternia, *Eschsch. Voy. Kotzebue*, t. 3. f. 5.
♀. Pl. 5. f. 4.
In Collection (Brit. Mus.) from Manilla.

49. Papilio Descombesi.

Papilio Descombesi, *Roger, Boisd. Sp. Gen. Lep.* i. p. 197. 8. *E. Doubl. Gen. of D. Lep.* p. 10. 32.
Papilio Floridor ♀, *Godt. Encyc. Meth. Suppl.* ix. p. 809.
Papilio Rumanzovia, *Eschsch. Voy. Kotzebue*, t. 2. f. 4.
Papilio Memnon, pt., *De Haan.*
Manilla.

50. Papilio Œnomaus.

Papilio Œnomaus, *Godt. Encyc. Meth.* ix. p. 72. 133. *Boisd. Sp. Gen. Lep.* i. p. 198. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 24. t. 4. f. 1 ♂. 2 ♀. *E. Doubl. Gen. of D. Lep.* p. 10. 33.
Papilio Acamarchis, *De Haan, MSS.*
Timor.

51. Papilio Icarius.

Papilio Icarius, *Westw. Cab. Or. Ent.* pl. 2. *Id. Gen. of D. Lep. Add.* p. 529.
Assam.

52. Papilio Protenor.

Papilio Protenor, *Cram. Pap. Ex.* t. 49. f. A. B. *Fabr. Ent. Syst.* iii. i. p. 13. 38. *Herbst, Pap.* t. 7. f. 1. 2. *Esper, Ausl. Schmett.* t. 33. f. 2; t. 29. f. 2? *Godt. Encyc. Meth.* ix. p. 30. 12. *Boisd. Sp. Gen. Lep.* i. p. 198. 10. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 25. *E. Doubl. Gen. of D. Lep.* p. 10. 34.

Iliades Protenor, *Hübn. Verz. bek. Schmett.* p. 89.

♀. Papilio Laomedon, *Fabr. Ent. Syst.* iii. i. p. 12. 35. *Donov. Ins. of China*, pl. 25, ex *Jones, Icon. ined.* i. t. 10.

In Collection (Brit. Mus.) from Northern India.

53. Papilio Elphenor.

Papilio Elphenor, *E. Doubl. Ann. Nat. Hist.* xvi. (1845) p. 305. *Westw. Cab. Or. Ent.* pl. 31. f. 2. *E. Doubl. Gen. of D. Lep.* p. 10. 36.

In Collection (Brit. Mus.) from Northern India.

54. Papilio Rhetenor.

Papilio Rhetenor, *Westw. Arc. Ent.* pl. 16. f. 1. *E. Doubl. Gen. of D. Lep.* p. 10. 35.

In Collection (Brit. Mus.) from Northern India.

55. Papilio Bootes.

Papilio Boötes, *Westw. Ann. Nat. Hist.* ix. (1842) p. 36. *Id. Arc. Ent.* pl. 31. *E. Doubl. Gen. of D. Lep.* p. 9. 17.

Papilio Polycuctes, (*Doubl.*) *Erichs. Wiegm. Archiv fur Naturg.* 1843, p. 248.

In Collection (Brit. Mus.) from Northern India.

56. Papilio Demetrius.

Papilio Demetrius, *Cram. Pap. Ex.* t. 385. f. E. F. *Herbst, Pap.* t. 20. f. 1. *Esper, Ausl. Schmett.* t. 32. f. 2. *Godt. Encyc. Meth.* ix. p. 71. 128. *Boisd. Sp. Gen. Lep.* i. p. 199. 11. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 25. t. 6. f. 1 ♂. 2 ♀. *E. Doubl. Gen. of D. Lep.* p. 10. 37.

Menelaides Demetrius, *Hübn. Verz. bek. Schmett.* p. 84.

In Collection (Brit. Mus.) from Madjico Simo.

57. Papilio Ascalaphus.

Papilio Ascalaphus, *Boisd. Sp. Gen. Lep.* i. p. 200. 12. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 26. t. 1. f. 2. ♀. *E. Doubl. Gen. of D. Lep.* p. 10. 38.

Ternate.

58. Papilio Deiphobus.

Papilio Deiphobus, *Linn. Syst. Nat.* ii. p. 746. 7. *Clerck, Icon.* t. 25. f. 1. *Cram. Pap. Ex.* t. 181. f. A. B. *Fabr. Ent. Syst.* iii. i. p. 5. 14. *Herbst, Pap.* t. 18. f. 2. 3. *Esper, Ausl. Schmett.* t. 4. f. 1. *Donov. Ins. of Ind.* pl. 17. f. 2. *Godt. Encyc. Meth.* ix. p. 64. 106. *Lucas, Lep. Exot.* t. 11. *Boisd. Sp. Gen. Lep.* i. p. 200. 13. *E. Doubl. Gen. of D. Lep.* p. 10. 39.

Achillides Deiphobus, *Hübn. Verz. bek. Schmett.* p. 85.

♀. Papilio Alcandor, *Cram. Pap. Ex.* t. 40. f. A. B. *Herbst, Pap.* t. 16. f. 2. *Esper, Ausl. Schmett.* t. 25. f. 1.

Achillides Alcandor, *Hübn. Verz. bek. Schmett.* p. 85.

Edwards's Birds, pl. 346.

Moluccas.

59. Papilio Neptunus.

Papilio Neptunus, *Guérin, Deless. Souv. d'un Voy. dans l'Inde*, p. 69. t. 19 (P. Saturnus). *E. Doubl. Gen. of D. Lep.* p. 10. 40.

Malacca.

60. Papilio Coon.

Papilio Coon, *Fabr. Ent. Syst.* iii. i. p. 10. 27. *Donov. Ins. of China*, pl. 24. f. 1, ex *Jones, Icon. ined.* i. t. 36. *Godt. Encyc. Meth.* ix. p. 65. 109. *Lucas, Lep. Exot.* t. 6. f. 2. *Boisd. Sp. Gen. Lep.* i. p. 201. 14. *E. Doubl. Gen. of D. Lep.* p. 10. 41.

Papilio Hypenor, *Godt. Encyc. Meth.* ix. p. 65. 108.

Achillides Hypenor, *Hübn. Samml. Exot.* iii. t. 491.

In Collection (Brit. Mus.) from Java and India.

Varicty *a*.

With the two inner marginal lunes red.

Papilio Coon, var., *E. Doubl. List. of Lep. Ins. Brit. Mus.* p. 3.

In Collection (Brit. Mus.) from Moulmein.

61. Papilio Ulyssus.

Papilio Ulyssus, *Linn. Syst. Nat.* i. p. 748. 21. *Clerck, Icon.* t. 23. f. 1. *Cram. Pap. Ex.* t. 121. f. A. B. *Fabr. Ent. Syst.* iii. i. p. 23. 67. *Herbst, Pap.* t. 51. f. 1. 2. *Esper, Ausl. Schmett.* t. 43. f. 1. *Godt. Encyc. Meth.* ix. p. 65. 110. *Lucas, Lep. Exot.* t. 3. *Boisd. Sp. Gen. Lep.* i. p. 202. 15. *E. Doubl. Gen. of D. Lep.* p. 10. 42.

Laertias Ulyssus, *Hübn. Verz. bek. Schmett.* p. 84.

♀. Papilio Diomedes, *Linn. Syst. Nat.* i. p. 749. 23. *Cram. Pap. Ex.* t. 122. f. A. *Fabr. Ent. Syst.* iii. i. p. 23. 68. *Herbst, Pap.* t. 50. f. 1. *Esper, Ausl. Schmett.* t. 47. f. 1.

Papilio Ulyssus ♀, *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 27. t. 2. f. 3.

In Collection (Brit. Mus.) from Ceylon?

62. Papilio Gyas.

Papilio Gyas, *Westw. Arc. Ent.* t. 11. f. 1. *E. Doubl. Gen. of D. Lep.* p. 10. 43.

In Collection (Brit. Mus.) from Northern India.

63. Papilio Peranthus.

Papilio Peranthus, *Fabr. Ent. Syst.* iii. i. p. 15. 44. *Donov. Ins. of China*, pl. 26. *Godt. Encyc. Meth.* ix. p. 66. 111. *Lucas, Lep. Exot.* t. 12. f. 2. *Boisd. Sp. Gen. Lep.* i. 203. 16. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 27. *E. Doubl. Gen. of D. Lep.* p. 11. 44.

In Collection (Brit. Mus.) from Java.

64. Papilio Bianor.

Papilio Bianor, *Cram. Pap. Ex.* t. 103. f. C. *Fabr. Ent. Syst.* iii. i. p. 1. 2. *Esper, Ausl. Schmett.* t. 35. f. 2. *Boisd. Sp. Gen. Lep.* i. p. 205. 17. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 28. t. 5. f. 1 ♂. f. 2 ♀. *E. Doubl. Gen. of D. Lep.* p. 11. 45.

Papilio Paris ♀, *Godt. Encyc. Meth.* ix. p. 67. 116.

Achillides Bianor, *Hübn. Verz. bek. Schmett.* p. 85.

In Collection (Brit. Mus.) from China and Northern India.

65. Papilio Polyctor.

Papilio Polyctor, *Boisd. Sp. Gen. Lep.* i. p. 205. 18. *Voy. de Jacquemont, Ins.* t. 1. f. 1. 2. *E. Doubl. Gen. of D. Lep.* p. 11. 46.

In Collection (Brit. Mus.) from Northern India.

66. Papilio Ganesa.

Papilio Ganesa, *E. Doubl. Gray's Zool. Misc.* p. 73; *Gen. of D. Lep.* p. 11. 48.

Papilio Arcturus, (*Westw.*) *Erichs. Wiegm. Archiv fur Naturg.* 1843, ii. p. 248.

Male. Pl. III. f. 5.—"Above :—all the wings black, irrorated with golden green atoms : anterior wings, with the termination of the radial and of the first branches of the median nervures, clothed with a cottony down : cilia white : posterior wings glossed anteriorly with blue ; this portion irrorated with blue atoms ; near the external angle is a large brilliant blue patch, slightly situated anteriorly, deeply so posteriorly, not connected by any sinuous line with the abdominal margin : near the margin is a series of from three to five red lunules, the one at the anal angle divided by, the others margined with, a slender light blue line ; indentations margined with white : tail broad, spatulate, irrorated with green along the nervure.

"Below :—anterior wings black at the base, whitish beyond the discoidal cell ; the nervures, eight longitudinal striæ between the nervures, and the margin itself, fuscous : posterior wings black, more intense than above, irrorated over the basal half, and sometimes beyond, with whitish atoms : near the margin is a series of six red lunules, each divided longitudinally by a slender light blue line ; indentations margined with white, a little fulvous at the base : anal angle with an imperfect ocellus, of which the pupil is black, the iris red, marked with a blue crescent.

"Head, thorax and abdomen black, irrorated with golden green. (Exp. alar. 5 unc.)"—*Gray's Zool. Misc.*

Probably only a variety of the former species.

In Collection (Brit. Mus.) from Northern India.

Variety *a*.

Papilio Aliacmon, *Boisd. MSS.*

In Collection (Brit. Mus.) from Northern India.

67. Papilio Arcturus.

Papilio Areturus, *Westw. Ann. Nat. Hist.* ix. (1842) p. 37 ; *Arc. Ent.* pl. 27. *E. Doubl. Gen. of D. Lep.* p. 11. 47.

In Collection (Brit. Mus.) from Northern India.

68. Papilio Paris.

Papilio Paris, *Linn. Syst. Nat.* i. p. 745. 3. *Clerck, Icon.* t. 13. f. 1. *Cram. Pap. Ex.* t. 103. f. A. B. *Drury, Ins.* i. t. 12. f. 1. 2. *Fabr. Ent. Syst.* iii. i. p. 1. 1. *Herbst, Pap.* t. 14. f. 1. 2. *Esper, Ausl. Schmett.* t. 2. f. 1. *Donov. Ins. of China,* pl. 23. *Godt. Encyc. Meth.* ix. p. 67. 116. *Boisd. Sp. Gen. Lep.* i. p. 208. 22. *E. Doubl. Gen. of D. Lep.* p. 11. 52.

Achillides Paris, *Hübn. Verz. bek. Schmett.* p. 85.

In Collection (Brit. Mus.) from China and Northern India.

69. Papilio Arjuna.

Papilio Arjuna, *Horsf. Desc. Cat. Lep. E. I. Comp.* pl. 1. f. 4. *Boisd. Sp. Gen. Lep.* i. p. 209. 23. *E. Doubl. Gen. of D. Lep.* p. 11. 53.

Papilio Paris, var., *Godt. Encyc. Meth.* ix. p. 67. 116.

Papilio Paris, *Zinken, Nova Acta Acad. Nat. Cur.* xv. p. 142.

In Collection (Brit. Mus.) from Java.

Variety *a*.

Larger in size, and more distinctly spotted with golden green, and without the line that runs along the outer margin of the primary wings.

In Collection (Brit. Mus.) from Borneo.

70. Papilio Palinurus.

Papilio Palinurus, *Fabr. Ent. Syst.* iii. i. p. 5. 12. *Jones, Icon. ined.* i. t. 95. *Godt. Encyc. Meth.* ix. p. 66. 112. *Boisd. Sp. Gen. Lep.* i. p. 207. 21. *Guér. Rev. Zool.* 1840, t. 1. f. 2. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 28? *E. Doubl. Gen. of D. Lep.* p. 11. 51.

Papilio Regulus, *Stoll, Pap. Exot.* t. 41. f. 1. 1 *b*.
Papilio Crino, p., *Godt. Eneye. Meth.* ix. p. 66. 113. *Boisd. Sp. Gen. Lep.* i. p. 207. 20.
Laertias Regulus, *Hübn. Verz. bek. Sehmett.* p. 84.
India.

71.? Papilio Brama.

Papilio Brama, *Guér. Rev. Zool.* 1840, p. 43. t. 1. f. 3. 4. *Deless. Souv. d'un Voy. dans l'Inde, App.* 71.
Papilio Palinurus, *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 28. t. 7. f. 3.
Papilio Palinurus, p., *E. Doubl. Gen. of D. Lep.* p. 11. 51.
In Collection (Brit. Mus.) from India.

72. Papilio Blumei.

Papilio Blumei, *Boisd. Sp. Gen. Lep.* i. p. 206. 19. *E. Doubl. Gen. of D. Lep.* p. 11. 49.
Papilio Palinurus, var., *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* pp. 5. 29.
Amboina.

73. Papilio Crino.

Papilio Crino, *Fabr. Ent. Syst.* iii. i. p. 5. 13. *Donov. Ins. of China,* pl. 22, ex *Jones, Icon. ined.* i. t. 53. *Godt. Eneye. Meth.* ix. p. 66. 113. *Boisd. Sp. Gen. Lep.* i. p. 207. 20. *Guér. Rev. Zool.* 1840, p. 43. t. 1. f. 1. *E. Doubl. Gen. of D. Lep.* p. 11. 50.
Papilio Palinurus, var.?, *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* pp. 6. 29.
In Collection (Brit. Mus.) from Ceylon.

74. Papilio Hesperus.

Papilio Hesperus, *Westw. Arc. Ent.* pl. 48. *E. Doubl. Gen. of D. Lep.* p. 11. 54.
In Collection (Brit. Mus.) from Western Africa.

75. Papilio Nephelus.

Papilio Nephelus, *Boisd. Sp. Gen. Lep.* i. p. 210. 24. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 29. t. 4. f. 4. ♂. *E. Doubl. Gen. of D. Lep.* p. 11. 56.
In Collection (Brit. Mus.) from Northern India.

Varicty *a*.

Papilio Saturnus, *Guér. Deless. Souv. d'un Voy. dans l'Inde,* p. 70. t. 18 (P. Neptunus).
Northern India.

76. Papilio Chaon.

Papilio Chaon, *Westw. Arc. Ent.* pl. 72. f. 1. *E. Doubl. Gen. of D. Lep.* p. 11. 55.
In Collection (Brit. Mus.) from Northern India.

77. Papilio Helenus.

Papilio Helenus, *Linn. Syst. Nat.* i. p. 745. 4. *Clerek, Icon.* t. 13. f. 2. *Cram. Pap. Ex.* t. 153. f. A. B. *Fabr. Ent. Syst.* iii. i. p. 2. 3. *Herbst, Pap.* t. 14. f. 2. *Esper, Ausl. Schmett.* t. 2. f. 2. *Godt. Encyc. Meth.* ix. p. 68. 117. *Lucas, Lep. Exot.* t. 15. f. 2. *Boisd. Sp. Gen. Lep.* i. p. 211. 25. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 30. *E. Doubl. Gen. of D. Lep.* p. 11. 57.
Achillides Helenus, *Hübn. Verz. bek. Sehmett.* p. 85.
In Collection (Brit. Mus.) from Northern India and China.

78. Papilio Iswara.

Papilio Iswara, *White, Entomologist*, 1842, p. 280. *E. Doubl. & Hewits. Gen. of D. Lep.* p. 11. 58. pl. 2. f. 1.
In Collection (Brit. Mus.) from Penang.

79. Papilio Severus.

Papilio Severus, *Cram. Pap. Ex.* t. 277. f. A. B. ♂ ; t. 278. f. A. B. ♀. *Esper, Ausl. Schmett.* t. 31. *Godt. Encyc. Meth.* ix. p. 68. 118. *Guér. Voy. de la Coqu.* t. 14. f. 1. *Boisd. Sp. Gen. Lep.* i. p. 212. 26. *De Haau, Verh. Nat. Ges. Ned. Overz. Bez.* p. 30. *E. Doubl. Gen. of D. Lep.* p. 11. 59.
Achillides Severus, *Hübn. Verz. bek. Schmett.* p. 85.
Amboina and Celebes.

Variety *a*.

Papilio Severus, var., *Voy. au Pôle Sud, Lep.* t. 1. f. 6. 7.
Ceram.

80. Papilio Capaneus.

Papilio Capaneus, *Westw. Arc. Ent.* pl. 52. f. 1. 2. *E. Doubl. Gen. of D. Lep.* p. 11. 60.
In Collection (Brit. Mus.) from Australia.

81. Papilio Canopus.

Papilio Canopus, *Westw. Ann. Nat. Hist.* ix. (1842), p. 38. *Id. Arc. Ent.* pl. 68. *E. Doubl. Gen. of D. Lep.* p. 11. 61.
Papilio Capaneus, ♀ or var. ?, *G. R. Gr.*
In Collection (Brit. Mus.) from Australia.

82. Papilio Pammon.

Papilio Pammon, *Linn. Syst. Nat.* i. p. 746. 8. *Clerck, Icon.* t. 14. f. 2. ♂. *Cram. Pap. Ex.* t. 141. f. B. *Herbst, Pap.* t. 19. f. 4. *Fabr. Ent. Syst.* iii. i. p. 7. 20. *Esper, Ausl. Schmett.* t. 4. f. 1 ; t. 40. f. 1. *Godt. Encyc. Meth.* ix. p. 74. 139. *Boisd. Sp. Gen. Lep.* i. p. 272. 96. *E. Doubl. Gen. of D. Lep.* p. 11. 62.
Laertias Pammon, *Hübn. Verz. bek. Schmett.* p. 84.
Princeps Heroicus Pammon, *Hübn. Samml. Exot.* i. t. 108.
In Collection (Brit. Mus.) from Penang, Northern India, and China. Male and female.

Variety *a*.

Papilio Cyrus, *Fabr. Ent. Syst.* iii. i. p. 7. 19.
Papilio Pammon, var., *Stoll, Pap. Exot.* t. 33. f. 1.
Laertias Cyrus, *Hübn. Samml. Exot.* ii. t. 96.
India.

Variety *b*.

Caudal appendages very short.
In Collection (Brit. Mus.) from Java.

Variety *c*.

Papilio Ledebouria, *Eschsch. Kotzebue, Voy.* t. 3. f. 7.
Papilio Ledebourus, *De Haan.*
Papilio Alphenor (*Boisd.*), ♂, *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 41.
Manilla.

83. Papilio Polytes.

Papilio Polytes, *Linn. Syst. Nat.* i. p. 746. 5. *Clerck, Icon.* t. 14. f. 1. *Cram. Pap. Ex.* t. 265. f. A. B. C. *Herbst, Pap.* t. 15. f. 2. ♀ ; t. 20. f. 3. 4. ♂. *Fabr. Ent. Syst.* iii. i. p. 2. 5. *Esper, Ausl. Schmett.* t. 3. f. 1 ; t. 12. f. 1.

Papilio Pammon ♀, *Boisd. Sp. Gen. Lep.* i. p. 272. 96. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 41.

Menelaides Polytes, *Hübn. Verz. bek. Schmett.* p. 85.

Princeps Heroicus Stichius, *Hübn. Samml. Exot.* i. t. 111.

Menelaides Alphenor, pt., *Hübn. Verz. bek. Schmett.* p. 85.

In Collection (Brit. Mus.) from China, Ceylon, Northern India, Java, Gulf of Martaban, Northern China, and Sandwich Islands?

Variety *a*.

Papilio Numa, *Weber, Observ. Entom. Kiel*, 1801, p. 106.

Papilio Polytes, var., *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 41.

Indian Archipelago.

84. Papilio Orophanes.

Papilio Orophanes, *Boisd. Sp. Gen. Lep.* i. p. 275. 98. *E. Doubl. Gen. of D. Lep.* p. 11. 64.

Moluccas.

85. Papilio Alphenor.

Papilio Alphenor, *Cram. Pap. Exot.* t. 90. f. B. *Esper, Ausl. Schmett.* t. 37. f. 1. *Boisd. Sp. Gen. Lep.* i. p. 274. 97. *E. Doubl. Gen. of D. Lep.* p. 12. 65.

Papilio Polytes, var., *Godt. Encyc. Meth.* ix. p. 71. 126.

Menelaides Alphenor, pt., *Hübn. Verz. bek. Schmett.* p. 85.

China?, Amboina, Celebes.

86. Papilio Sakontala.

Papilio Sakontala, *Hewits. Ent. Soc. Trans.* 1852, pl. 5. f. 1. *Westw. Gen. of D. Lep. Add.* p. 529.

Sylhet.

87. Papilio Antenor.

Papilio Antenor, *Drury, Ins.* ii. pl. 3. f. 1. *Fabr. Ent. Syst.* iii. i. p. 4. 9. *Herbst, Pap.* t. 13. f. 1. *Esper, Ausl. Schmett.* t. 23. f. 1. *Donov. Ins. of Ind.* pl. 15. *Godt. Encyc. Meth.* ix. p. 69. 123. *Boisd. Sp. Gen. Lep.* i. p. 189. 2. *Westw. Arc. Ent.* p. 146. *E. Doubl. Gen. of D. Lep.* p. 12. 66.

Africa.

88. Papilio Lalandei.

Papilio DeLalande, *Godt. Mém. de la Soc. Linn. de Paris*, ii. t. 1. f. 1. 2. *Id. Encyc. Meth. Suppl.* p. 811.

Papilio DeLalandii, *Lucas, Lep. Exot.* p. 39. t. 20. f. 2.

Papilio Lalandei, *Boisd. Sp. Gen. Lep.* i. p. 326. 169. *Westw. Arc. Ent.* p. 150. pl. 37. f. 1. 2. *E. Doubl. Gen. of D. Lep.* p. 12. 67.

South Africa.

89. Papilio Thersander.

Papilio Thersander, *Fabr. Ent. Syst.* iii. i. p. 32. 93. *Jones, Icon. ined.* i. t. 71. *Godt. Encyc. Meth.* ix. p. 59. 94. *Westw. Ann. Nat. Hist.* ix. (1842), p. 38. *Id. Arc. Ent.* p. 148. pl. 38. f. 1. 2. *E. Doubl. Gen. of D. Lep.* p. 12. 68.

In Collection (Brit. Mus.) from Western Africa.

90. Papilio Menestheus.

Papilio Menestheus, *Drury, Ins.* ii. pl. 9. f. 1. 2. *Cram. Pap. Ex.* t. 142. f. A. B. *Fabr. Ent. Syst.* iii. i. p. 31. 91. *Herbst, Pap.* t. 40. f. 1. 2. *Godt. Encyc. Meth.* ix. p. 59. 93. *Boisd. Sp. Gen. Lep.* i. p. 236. 59. *Westw. Arc. Ent.* p. 147. *E. Doubl. Gen. of D. Lep.* p. 12. 69.

Heraclides Menestheus, *Hübn. Verz. bek. Schmett.* p. 83.

In Collection (Brit. Mus.) from Western Africa.

91. Papilio Demoleus.

Papilio Demoleus, *Linn. Syst. Nat.* i. p. 753. 46. *Rœsel, Ins. Add.* t. 1. f. 2. 3. *Cram. Pap. Ex.* t. 231. f. A. B. *Fabr. Ent. Syst.* iii. i. p. 34. 101. *Herbst, Pap.* t. 36. f. 3. 4. *Donov. Ins. of China,* pl. 29. f. 1. *Pal. de Beauv. Ins. Afr. et Amer.* t. 2 *b.* f. 2. *Godt. Encyc. Meth.* ix. p. 43. 52. *Boisd. Faune de Madag.* p. 12. *Id. Sp. Gen. Lep.* i. p. 237. 60. *Lucas, Lep. Exot.* t. 9. f. 2. *Westw. Arc. Ent.* p. 148. *E. Doubl. Gen. of D. Lep.* p. 12. 70.

Orpheides Demoleus, *Hübn. Verz. bek. Schmett.* p. 86.

Princeps dominans Demoleus, *Hübn. Samml. Exot.* i. t. 115.

Papilio Demodocus, *Esper, Ausl. Schmett.* t. 51. f. 1.

In Collection (Brit. Mus.) from South and West Africa.

92. Papilio Erithonius.

Papilio Erithonius, *Cram. Pap. Ex.* t. 232. f. A. B. *Herbst, Pap.* t. 36. f. 5. 6. *E. Doubl. Gen. of D. Lep.* p. 12. 71.

Papilio Epius, *Fabr. Ent. Syst.* iii. i. p. 35. 102. *Jones, Icon. ined.* i. t. 61. *Donov. Ins. of China,* pl. 29. f. 2. *Godt. Encyc. Meth.* ix. p. 43. 53. *Boisd. Sp. Gen. Lep.* i. p. 238. 61. *E. Doubl. List Lep. Brit. Mus.* p. 7.

Papilio Demoleus, *Esper, Ausl. Schmett.* t. 50. f. 1. 4.

Orpheides Epius, *Hübn. Verz. bek. Schmett.* p. 86.

Princeps dominans Erithonius, *Hübn. Samml. Exot.* i. t. 116.

In Collection (Brit. Mus.) from Northern India, Penang, and Ceylon.

Variety *a*.

Papilio Sthenelus, *M'Leay, King's Surv. of Austr. App.* p. 457. *Boisd. Sp. Gen. Lep.* i. p. 239. 62.

In Collection (Brit. Mus.) from Australia.

93. Papilio Castor.

♂. Papilio Castor, *Westw. Ann. Nat. Hist.* ix. (1842), p. 37. *Id. Arc. Ent.* pl. 80. f. 1. 2. *E. Doubl. Gen. of D. Lep.* p. 12. 72.

♀. Papilio Pollux, *Westw. Ann. Nat. Hist.* ix. (1842), p. 37. *Id. Arc. Ent.* pl. 90. f. 1. *E. Doubl. Gen. of D. Lep.* p. 21. 264.

Papilio Xenocles, pt., *Erichs. Wiegm. Archiv fur Naturg.* 1843, ii. p. 248.

In Collection (Brit. Mus.) from Northern India.

Variety *a*.

♂. Much less in size, and ornamented by small lunules along the outer margin, especially below the white space of the secondary wings.

In Collection (Brit. Mus.) from Northern India.

94. Papilio Phestus.

Papilio Phestus, *Boisd. Voy. de l'Astrol.* i. p. 41. 7. *Id. Sp. Gen. Lep.* i. p. 212. 27. *Guér. Voy. de la Coqu.* t. 14. f. 2. *E. Doubl. Gen. of D. Lep.* p. 12. 73.

New Guinea.

95. Papilio Ilioneus.

Papilio Ilioneus, *Donov. Ins. of New Holl.* pl. 13. *Godt. Eneye. Meth.* ix. p. 68. 119. *Boisd. Sp. Gen. Lep.* i. p. 213. 28. *E. Doubl. Gen. of D. Lep.* p. 12. 74.

New South Wales.

96. Papilio Gambrisius.

Papilio Gambrisius, *Cram. Pap. Ex.* t. 157. f. A. B. *Herbst, Pap.* t. 33. f. 2. 3. *Godt. Encye. Meth.* ix. p. 31. 14. *Boisd. Sp. Gen. Lep.* i. p. 213. 29. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 30. *E. Doubl. Gen. of D. Lep.* p. 12. 75.

Papilio Amphitrion, p., *Fabr. Ent. Syst.* iii. i. p. 37. 111.

Nestorides Gambrisius, *Hübn. Verz. bek. Sehmett.* p. 86.

Amboina.

97. Papilio Ormenus.

Papilio Ormenus, *Guér. Voy. de la Coqu.* t. 14. f. 3. *Boisd. Voy. de l'Astrol.* i. p. 39. 4 ; *Sp. Gen. Lep.* i. p. 214. 30. *E. Doubl. Gen. of D. Lep.* p. 12. 76.

Papilio Gambrisius ♂, *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 30.

New Guinea.

98. Papilio Ambrax.

Papilio Ambrax, *Boisd. Voy. de l'Astrol.* i. p. 40. 5 ; *Sp. Gen. Lep.* i. p. 218. 35. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 32. t. 7. f. 1 ♂. 2 ♀. *E. Doubl. Gen. of D. Lep.* p. 12. 81.

New Guinea.

Variety *a*.

♂. Without white scales at the summit of the primary wings. ♀. With a white space on the primary wings.

Papilio Ambrax, var., (*Boisd.*) *Voy. au Pôle Sud, Lep.* t. 1. f. 3–5.

In Collection (Brit. Mus.) from New Guinea. (Male.)

99. Papilio Erectheus.

Papilio Erectheus, *Donov. Ins. of New Holl.* pl. 15. *Godt. Eneye. Meth.* ix. p. 31. 15. *Lucas, Lep. Exot.* t. 9. f. 1. *Boisd. Sp. Gen. Lep.* i. p. 215. 31. *E. Doubl. Gen. of D. Lep.* p. 12. 77.

Nestorides Erectheus, *Hübn. Samml. Exot.* ii. 108.

♀. Papilio Ægeus, *Donov. Ins. of New Holl.* pl. 14. *Godt. Encye. Meth.* ix. p. 31. 17.

Papilio Erectheus ♀, *Boisd. Sp. Gen. Lep.* i. p. 215. 31. *E. Doubl. Gen. of D. Lep.* p. 12. 77.

Nestorides Ægeus, *Hübn. Samml. Exot.* ii. t. 107.

♂. ♀. Papilio Gambrisius, *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 30.

In Collection (Brit. Mus.) from Australia.

Variety *a*.

With the marginal spots on the under surface of the secondary wings deep orange, and the lunules of blue and buff fewer in number.

In Collection (Brit. Mus.) from ————?

Variety *b*.

The under surface of the secondary wings with only a deep orange spot at the anal angle.

Papilio Erectheus, var., *Voy. au Pôle Sud, Lep.* t. 1. f. 1. 2.

————?

100. Papilio Amanga.

♀. Papilio Amanga, *Boisd. Voy. de l'Astrol.* i. p. 39. 3. *Id. Sp. Gen. Lep.* i. p. 216. 32. *E. Doubl. Gen. of D. Lep.* p. 12. 78.

New Guinea.

101. Papilio Amphitrion.

Papilio Amphitrion, *Cram. Pap. Ex.* t. 7. f. A. B. *Fabr. Ent. Syst.* iii. i. p. 37. 111. *Herbst, Pap.* t. 34. f. 1. *Pal. de Beauv. Ins. de l'Afr. et Am.* t. 2 *c.* f. 1. *Godt. Encyc. Meth.* ix. p. 30. 13. *Boisd. Sp. Gen. Lep.* i. p. 217. 33. *De Haan, Verh. Nat. Ges. Ned. Overz. bez.* p. 32. *E. Doubl. Gen. of D. Lep.* p. 12. 79.

Nestorides Amphitrion, *Hübn. Verz. bek. Schmett.* p. 86.

Celebes, Amboina.

102. Papilio Drusius.

♀. Papilio Drusius, *Cram. Pap. Ex.* t. 229. f. A; t. 230. f. A. *Herbst, Pap.* t. 33. f. 1. *Esper, Ausl. Schmett.* t. 47. f. 2. *Boisd. Sp. Gen. Lep.* i. p. 218. 34. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 32. *E. Doubl. Gen. of D. Lep.* p. 12. 80.

Papilio Drimachus, *Godt. Encyc. Meth.* ix. p. 31. 16.

Papilio Gambrisius ♀ ?, *Boisd.*

Nestorides Drusius, *Hübn. Verz. bek. Schmett.* p. 86.

Amboina.

103. Papilio Euchenor.

Papilio Euchenor, *Guér. Voy. de la Coqu.* t. 13. f. 3. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 33. *E. Doubl. Gen. of D. Lep.* p. 12. 82.

Papilio Axion, *Boisd. Voy. de l'Astrol.* i. p. 46. 6. *Id. Sp. Gen. Lep.* i. p. 219. 36.

New Guinea.

104. Papilio Homerus.

Papilio Homerus, *Fabr. Ent. Syst.* iii. i. p. 29. 85. *Esper, Ausl. Schmett.* t. 45. f. 1. *Donov. Nat. Repos.* i. pl. 19, ex *Jones, Icon. ined.* i. t. 8. *Godt. Encyc. Meth. Suppl.* ix. p. 811. *Boisd. Sp. Gen. Lep.* i. p. 345. 185. *E. Doubl. & Hewits. Gen. of D. Lep.* p. 13. 83. pl. 4. f. 1.

In Collection (Brit. Mus.) from Jamaica.

105. Papilio Asclepius.

Papilio Asclepius, *Hübn. Samml. Exot. Suppl.* t. 7. *E. Doubl. Gen. of D. Lep.* p. 13. 84.

Papilio Concinnatus, *Boisd. Sp. Gen. Lep.* i. p. 346. 186.

In Collection (Brit. Mus.) from Honduras.

106. Papilio Troilus.

Papilio Troilus, *Linn. Syst. Nat.* i. p. 746. 6. *Cram. Pap. Ex.* t. 207. f. A. B. C. *Drury, Ins.* i. pl. 2. f. 3–5. *Fabr. Ent. Syst.* iii. i. p. 4. 10. *Herbst, Pap.* t. 17. f. 3. 4; t. 20. f. 2. *Esper, Ausl. Schmett.* t. 3. f. 2. *Boisd. et Lec. Lep. Am. Sept.* t. 10. *Godt. Encyc. Meth.* ix. p. 60. 97. *Boisd. Sp. Gen. Lep.* i. p. 334. 176. *Lucas, Lep. Exot.* t. 19. f. 2. *E. Doubl. Gen. of D. Lep.* p. 13. 85.

Euphœades Troilus, *Hübn. Verz. bek. Schmett.* p. 83. *Id. Samml. Exot.* ii. t. 95.

Papilio Ilioneus, *Smith Abbot, Ins. of Georgia*, i. pl. 2.

In Collection (Brit. Mus.) from Northern America.

107. Papilio Machaonides.

Papilio Machaonides, *Esper, Ausl. Schmett.* t. 45. f. 2. *Boisd. Sp. Gen. Lep.* i. p. 344. 184. *E. Doubl. Gen. of D. Lep.* p. 13. 86.

Papilio Lycoræus, *Godt. Encyc. Meth.* ix. p. 63. 105. *Lucas, Lep. Exot.* t. 18. f. 1.

In Collection (Brit. Mus.) from Haiti.

108. Papilio Andræmon.

Heraclides Andræmon, *Hübn. Samml. Exot.* ii. t. 97. 98.

Papilio Andræmon, *Boisd. Sp. Gen. Lep.* i. p. 343. 185. *E. Doubl. Gen. of D. Lep.* p. 13. 87.

In Collection (Brit. Mus.) from Honduras.

109. Papilio Daunus.

Papilio Daunus, *Boisd. Sp. Gen. Lep.* i. p. 342. 182. *E. Doubl. Gen. of D. Lep.* p. 13. 88.

In Collection (Brit. Mus.) from Mexico.

110. Papilio Pilumnus.

Papilio Pilumnus, *Boisd. Sp. Gen. Lep.* i. p. 340. 181. *E. Doubl. Gen. of D. Lep.* p. 13. 89.

In Collection (Brit. Mus.) from Mexico.

111. Papilio Rutulus.

Papilio Rutulus, *Boisd. Ann. Soc. Entom. de France,* 1852. *Lucas, Rev. et Mag. de Zool.* 1852, p. 138. *Westw. Gen. of D. Lep. Add.* p. 529.

In Collection (Brit. Mus.) from California.

Variety *a*.

Papilio Eurymedon, *Boisd. Ann. Soc. Entom. de France,* 1852. *Lucas, Rev. et Mag. de Zool.* 1852, p. 140. *Westw. Gen. of D. Lep. Add.* p. 529.

In Collection (Brit. Mus.) from California.

112. Papilio Turnus.

Papilio Turnus, *Linn. Mant.* i. p. 536. *Fabr. Ent. Syst.* iii. i. p. 29. 86. *Herbst, Pap.* t. 41. f. 3. 4. *Pal. de Beauv. Ins. Am. et Afr.* t. 2 *b*. f. 1. *Esper, Ausl. Schmett.* t. 48. f. 1. *Godt. Encyc. Meth.* ix. p. 55. 87. *Boisd. et Lec. Icon. Lep. Am. Sept.* t. 6. 7. *Boisd. Sp. Gen. Lep.* i. p. 338. 179. *Lucas, Lep. Exot.* t. 18. f. 2. *E. Doubl. Gen. of D. Lep.* p. 13. 90.

Papilio Alcidamas, *Cram. Pap. Ex.* t. 38. f. A. B.

Jasoniades Turnus, *Hübn. Verz. bek. Schmett.* p. 83. *Id. Samml. Exot.* ii. t. 94.

Papilio Autilochus, *Linn. Syst. Nat.* i. p. 751. 35. *Catesby, Carol.* pl. 83. *Fabr. Ent. Syst.* iii. i. p. 24. 70. *Godt. Encyc. Meth.* ix. p. 55. 86.

Papilio Antinous, *Donov. Ins. of New Holl.* pl. 16. *Godt. Encyc. Meth.* ix. p. 54. 82. *Boisd. Sp. Gen. Lep.* i. p. 331. 173.

In Collection (Brit. Mus.) from North America.

Variety *a*.

Papilio Glaucus, *Linn. Syst. Nat.* i. p. 746. 9. *Clerck, Icon.* t. 24. f. 1. 2. *Cram. Pap. Ex.* t. 139. f. A. B. *Fabr. Ent. Syst.* iii. i. p. 4. 11. *Jones, Icon. ined.* t. 45. *Herbst, Pap.* t. 17. f. 1. 2. *Esper, Ausl. Schmett.* t. 5. f. 1. *Pal. de Beauv. Ins. de l'Afr. et Am.* t. 1 *b*. *Godt. Encyc. Meth.* ix. p. 60. 96. *Boisd. et Lec. Icon. Lep. Am. Sept.* t. 8. 9. *Boisd. Sp. Gen. Lep.* i. p. 335. 177.

Papilio Turnus, var., *E. Doubl. Gen. of D. Lep.* p. 13. 90.

Euphœades Glaucus, *Hübn. Verz. bek. Schmett.* p. 83.

In Collection (Brit. Mus.) from North America.

113. Papilio Palamedes.

Papilio Palamedes, *Drury, Ins.* i. pl. 19. f. 1. 2. *Cram. Pap. Ex.* t. 93. f. A. B. *E. Doubl. Gen. of D. Lep.* p. 13. 91.

Papilio Calchas, *Fabr. Ent. Syst.* iii. i. p. 31. 90. *Herbst, Pap.* t. 42. f. 1. 2. *Esper, Ausl. Schmett.* t. 56. f. 3. *Godt. Encyc. Meth.* ix. p. 59. 92. *Boisd. et Lec. Icon. Lep. Am. Sept.* t. 5. *Boisd. Sp. Gen. Lep.* i. p. 337. 178.

Euphœades Calchas, *Hübn. Verz. bek. Schmett.* p. 83.

Princeps heroicus Calchas, *Hübn. Samml. Exot.* i. t. 114.

In Collection (Brit. Mus.) from North America.

114. Papilio Merope.

Papilio Merope, *Cram. Pap. Ex.* t. 151. f. A. B.; t. 378. f. D. E. *E. Doubl. Gen. of D. Lep.* p. 13. 92.

Papilio Brutus, *Fabr. Ent. Syst.* iii. i. p. 22. 65. *Herbst, Pap.* t. 46. f. 1. 2. *Godt. Encyc. Meth.* ix. p. 69. 122. *Donov. Nat. Repos.* pl. 77. *Boisd. Faune de Madag.* p. 12. *Id. Sp. Gen. Lep.* i. p. 221. 39. *Lucas, Lep. Exot.* t. 13.

Laertiades Brutus, *Hübn. Verz. bek. Schmett.* p. 84.

Papilio sulfureus, *Pal. de Beauv. Ins. Afr. et Am.* t. 1.

In Collection (Brit. Mus.) from South and West Africa.

115. Papilio Phorcas.

Papilio Phorcas, *Cram. Pap. Ex.* t. 2. f. B. C. *Herbst, Pap.* t. 48. f. 5. 6. *Godt. Encyc. Meth.* ix. p. 67. 114. *E. Doubl. Gen. of D. Lep.* p. 13. 93.

Papilio Doreus, *Fabr. Ent. Syst.* iii. i. p. 68. 212. *Boisd. Sp. Gen. Lep.* i. p. 223. 40.

Heraclides Phorcas, *Hübn. Verz. bek. Schmett.* p. 84.

In Collection (Brit. Mus.) from West Africa.

116. Papilio Demolion.

Papilio Demolion, *Cram. Pap. Ex.* t. 89. f. A. B. *Herbst, Pap.* t. 49. f. 1. 2. *E. Doubl. Gen. of D. Lep.* p. 13. 94.

Papilio Cresphontes, *Fabr. Ent. Syst.* iii. i. p. 33. 95. *Godt. Encyc. Meth.* ix. p. 61. 98. *Boisd. Sp. Gen. Lep.* i. p. 220. 38. *Lucas, Lep. Exot.* t. 15. f. 1.

Heraclides Cresphontes, *Hübn. Verz. bek. Schmett.* p. 84.

In Collection (Brit. Mus.) from Java, Penang, Moulmein, and Borneo.

117. Papilio Charopus.

Papilio Charopus, *Westw. Arc. Ent.* p. 189. pl. 47. *E. Doubl. Gen. of D. Lep.* p. 13. 96.

Gold Coast, West Africa.

118. Papilio Oribazus.

Papilio Oribazus, *Boisd. Sp. Gen. Lep.* i. p. 223. 41. *E. Doubl. Gen. of D. Lep.* p. 13. 95.

Madagascar.

119. Papilio Nireus.

Papilio Nireus, *Linn. Syst. Nat.* i. p. 750. 28. *Clerck, Icon.* t. 30. f. 1. ♀. *Cram. Pap. Ex.* t. 378. f. F. G. ♂. pt., *Fabr. Ent. Syst.* iii. i. p. 36. 106. pt., *Godt. Encyc. Meth.* ix. p. 48. 67. pt., *Boisd. Faune de Madag.* p. 16. pt., *Id. Sp. Gen. Lep.* i. p. 224. 42. *Swains. Zool. Illustr.* pl. 125. ♂.

Papilio Charopus, *Boisd. MSS.*

Papilio Lyæus, *E. Doubl. Ann. Nat. Hist.* xvi. (1845) p. 178. *Id. Gen. of D. Lep.* p. 13. 98.

Idaides Nireus, pt., *Hübn. Verz. bek. Schmett.* p. 85.

In Collection (Brit. Mus.) from South Africa.

120. Papilio Erinus.

Papilio Nireus, *Cram. Pap. Ex.* i. t. 187. f. A. B. ♂. *Drury, Ins.* ii. pl. 4. f. 1. 2. pt., *Fabr. Ent. Syst.* iii. i. p. 36. 106. ♂. *Herbst, Pap.* t. 37. f. 1. 2. ♂. pt., *Godt. Encyc. Meth.* ix. p. 48. 67. pt., *Boisd. Faune de Madag.* p. 16. pt., *id. Sp. Gen. Lep.* i. p. 224. 42. *E. Doubl. Gen. of D. Lep.* p. 13. 97.

Idaides Nireus, pt., *Hübn. Verz. bek. Schmett.* p. 85.

In Collection (Brit. Mus.) from West Africa.

121. Papilio Bromius.

Papilio Bromius, *E. Doubl. Ann. Nat. Hist.* xvi. (1845) p. 176. *Id. Gen. of D. Lep.* p. 13. 99.

Male. Pl. VI. f. 2.—"Wings above black, traversed by a broad bright green fascia divided by the nervures, commencing in the discoidal cell of the anterior wing, and terminating on the inner margin of the posterior wings, of which it occupies fully two-thirds. This band is nearly straight on its inner side, but externally it is suddenly widened below the radial nervure of the anterior wings, and much dentated on the posterior wings. It is preceded on the costa by a large subquadrate spot of the same colour divided into four by the nervures. At the apex of the anterior wings are two elongate green spots, followed on the outer margin by a series of geminate spots, and a simple round one at the anal angle of the same colour. On the posterior wings, towards the outer margin, are three rounded green spots, each followed by a small dot of the same colour (sometimes very indistinct). These are succeeded by three geminate spots; the first rounded, the second elongate, the third rounded, near the anal angle and almost touching the transverse band. Below fuscous, the anterior wings darker at the base; towards the anal angle a marginal series of five or seven small white spots placed in pairs between the nervules, between which and the margin are two or three very minute white dots. Posterior wings with three black striæ in the cell, a macular band of a pale gold colour near the outer margin, and two points of the same colour near the anal angle.

"Head and thorax black, spotted with white. Abdomen fuscous, above with the edges of the segments paler, below with five series of white spots; anal valves rounded.

"This species is closely allied to *Papilio Nireus*, but has the band much wider and somewhat different in its direction, and the anal valves are much rounder."—*Ann. Nat. Hist.*

In Collection (Brit. Mus.) from Ashanti.

122. Papilio Phorbanta.

Papilio Phorbanta, *Linn. Mant.* p. 535. *Daubent. Pl. enlum.* 43. f. 1. 2. ♂. *Fabr. Ent. Syst.* iii. i. p. 6. 17. *Herbst, Pap.* t. 12. f. 3.? ♂. *Esper, Ausl. Schmett.* t. 37. f. 2.? ♂. *Godt. Encyc. Meth.* ix. p. 47. 66. *Boisd. Faune de Madag.* p. 14. 4. *Id. Sp. Gen. Lep.* i. p. 225. 43. *Lucas, Lep. Exot.* t. 10. f. 1. ♀. *E. Doubl. Gen. of D. Lep.* p. 13. 100.

Papilio Manlius, *Fabr. Ent. Syst. Suppl.* v. p. 422. 30.

♀. Papilio Gracchus, *Fabr. Ent. Syst. Suppl.* v. p. 422. 30.

In Collection (Brit. Mus.) from Mauritius.

123. Papilio Epiphorbas.

Papilio Epiphorbas, *Boisd. Faune de Madag.* p. 13. t. 1. f. 1. *Id. Sp. Gen. Lep.* i. p. 226. 44. *E. Doubl. Gen. of D. Lep.* p. 14. 101.

Madagascar.

124. Papilio disparilis.

Papilio disparilis, *Boisd. Faune de Madag.* p. 15. t. 1. f. 2. ♀. *Id. Sp. Gen. Lep.* i. p. 227. 45. *Lucas, Lep. Exot.* t. 10. f. 2. ♂. *E. Doubl. Gen. of D. Lep.* p. 14. 102.

In Collection (Brit. Mus.) from Madagascar.

125. Papilio Payeni.

Papilio Payeni, *Boisd. Sp. Gen. Lep.* i. p. 235. 58. *Van der Hoeven, Tijdsch. voor Nat. Gesch.* v. t. 8. f. 1. 2. 6. *E. Doubl. Gen. of D. Lep.* p. 14. 103.

Java.

Variety *a*.

Papilio Evan, *E. Doubl. Ann. Nat. Hist.* xvi. (1845) pp. 235. 304. *E. Doubl. & Hewits. Gen. of D. Lep.* p. 14. 104. pl. 2. f. 1. *Westw. Cab. Or. Ent.* pl. 31. f. 1.

Papilio Payeni (local variety), *Westw.*

In Collection (Brit. Mus.) from Sylhet.

126. Papilio Codrus.

Papilio Codrus, *Cram. Pap. Ex.* t. 179. f. A. B. *Fabr. Ent. Syst.* iii. i. p. 31. 89. *Herbst, Pap.* t. 46. f. 3. 4. *Godt. Encyc. Meth.* ix. p. 48. 68. *Boisd. Sp. Gen. Lep.* i. p. 228. 46. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 33. *E. Doubl. Gen. of D. Lep.* p. 14. 105.

Idiades Codrus, *Hübn. Verz. bek. Schmett.* p. 85.

Amboina and New Guinea.

127. Papilio Empedocles.

Papilio Empedocles, *Fabr. Ent. Syst.* iii. i. p. 70. 217. *Donov. Ins. of India*, pl. 17. f. 1. *Godt. Encyc. Meth. Suppl.* p. 810. *Boisd. Sp. Gen. Lep.* i. p. 229. 47. *E. Doubl. Gen. of D. Lep.* p. 14. 106.

Papilio Codrus, var., *Boisd.*

Papilio Codrus ♀ ?, *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 33.

Indian Archipelago.

128. Papilio MacLeayanus.

Papilio MacLeayanus, *Leach, Zool. Misc.* pl. 5. *Godt. Encyc. Meth.* ix. p. 47. 65. *Boisd. Sp. Gen. Lep.* i. p. 229. 48. *E. Doubl. Gen. of D. Lep.* p. 14. 107.

Hübn. Zutr. f. 501. 502.

In Collection (Brit. Mus.) from Australia.

129. Papilio Ægistus.

Papilio Ægistus, *Linn. Syst. Nat.* i. p. 754. 48. *Cram. Pap. Ex.* t. 241. f. C. D. *Herbst, Pap.* t. 36. f. 1. 2. *Godt. Encyc. Meth.* ix. p. 47. 64. *Boisd. Sp. Gen. Lep.* i. p. 231. 50. *E. Doubl. Gen. of D. Lep.* p. 14. 108.

Papilio Ægisthus, *Verlor.*

Zetides Ægistus, *Hübn. Verz. bek. Schmett.* p. 86.

Moluccas.

130. Papilio Agamemnon.

Papilio Agamemnon, *Linn. Syst. Nat.* i. p. 748. 22. *Fabr. Ent. Syst.* iii. i. p. 33. 98. *Herbst, Pap.* t. 48. f. 1. 2. *Esper, Ausl. Schmett.* t. 46. f. 1. 2. f. 3. var. *Donov. Ins. of China*, pl. 27. f. 2. *Godt. Encyc. Meth.* ix. p. 46. 63. *Boisd. Sp. Gen. Lep.* i. p. 230. 49. *E. Doubl. Gen. of D. Lep.* p. 14. 109.

Papilio Ægistus vel Agamemnon, *Cram. Pap. Ex.* t. 106. f. C. D.

Iphiclides Agamemnon, *Hübn. Verz. bek. Schmett.* p. 82.

In Collection (Brit. Mus.) from Northern India, Penang, Gulf of Martaban, Ceylon, Java, and Borneo.

131. Papilio Arycles.

Papilio Arycles, *Boisd. Sp. Gen. Lep.* i. p. 231. 51. *E. Doubl. Gen. of D. Lep.* p. 14. 110.

In Collection (Brit. Mus.) from Northern India, Penang, Singapore, and Borneo.

132. Papilio Bathycles.

Papilio Bathycles, *Zinken, Sommer, Nova Acta Acad. Nat. Cur.* xv. t. 14. f. 6. 7. *Boisd. Sp. Gen. Lep.* i. p. 232. 52. *Lucas, Lep. Exot.* t. 5. f. 2. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 33. *E. Doubl. Gen. of D. Lep.* p. 14. 111.

In Collection (Brit. Mus.) from Northern India, Singapore, Penang, and Borneo.

133. Papilio Eurypylus.

Papilio Eurypylus, *Linn. Syst. Nat.* i. p. 754. 49. *Clerck, Icon.* t. 28. f. 2. *Cram. Pap. Ex.* t. 122. f. C. D. *Fabr. Ent. Syst.* iii. i. p. 20. 61. *Herbst, Pap.* t. 37. f. 5. 6. *Esper, Ausl. Schmctt.* t. 33. f. 1.

Papilio Eurypilus, *Godt. Encyc. Meth.* ix. p. 45. 61. *Boisd. Sp. Gen. Lep.* i. p. 233. 54. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 33. *E. Doubl. Gen. of D. Lep.* p. 14. 113.

Papilio Jason, *Esper, Ausl. Schmett.* t. 58. f. 5.

Zetides Eurypylus, *Hübn. Verz. bek. Schmett.* p. 86. *Id. Samml. Exot.* ii. t. 106.

In Collection (Brit. Mus.) from India, Northern India, Singapore, Ceylon, and Java.

Variety *a*.

Papilio Lycaon, *Boisd. MSS. Westw. Arc. Ent.* p. 15. *E. Doubl. Gen. of D. Lep.* p. 14. 112.

In Collection (Brit. Mus.) from Australia.

Variety *b*.

Papilio Evemon, *Boisd. Sp. Gen. Lep.* i. p. 234. 55. *E. Doubl. Gen. of D. Lep.* p. 14. 114.

Papilio Eurypilus, var., *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 33.

In Collection (Brit. Mus.) from ———— ? and Borneo.

134. Papilio Jason.

Papilio Jason, *Linn. Mus. Lund. Ulr.* p. 210. *Id. Syst. Nat.* i. p. 752. 38. *Boisd. Sp. Gen. Lep.* i. p. 232. 53.

Papilio Eurypilus, var., *Boisd.*

India.

135. Papilio Sarpedon.

Papilio Sarpedon, *Linn. Syst. Nat.* i. p. 747. 15. *Rœsel, Ins.* iv. t. 6. f. 1. *Cram. Pap. Ex.* t. 122. f. D. E. *Fabr. Ent. Syst.* iii. i. p. 14. 41. *Herbst, Pap.* t. 10. f. 4. 5. *Esper, Ausl. Schmett.* t. 8. f. 2. *Godt. Encyc. Meth.* ix. p. 46. 62. *Lucas, Lep. Exot.* t. 5. f. 1. *Boisd. Sp. Gen. Lep.* i. p. 235. 57. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 34. *E. Doubl. Gen. of D. Lep.* p. 14. 115.

Zetides Sarpedon, *Hübn. Verz. bek. Schmett.* p. 85. *Id. Samml. Exot.* iii. t. 471.

Chlorisses Sarpedon, *Swainson, Zool. Illustr.* 2nd ser. pl. 89.

In Collection (Brit. Mus.) from India, Penang, and Sandwich Islands.

Variety *a*.

With the oblique band on all the wings narrower.

In Collection (Brit. Mus.) from Ceylon.

Variety *b*.—Pl. IV. f. 1.

With the oblique band on all the wings extremely broad in the middle.

Papilio Sarpedon, *Westw. Partingt. in Brit. Encyc. Butt.*

In Collection (Brit. Mus.) from Australia.

136. Papilio Cloanthus.

Papilio Cloanthus, *Westw. Anc. Ent.* p. 42. pl. 11. f. 2. *E. Doubl. Gen. of D. Lep.* p. 14. 116.

In Collection (Brit. Mus.) from Northern India.

137. Papilio Rhesus.

Papilio Rhesus, *Boisd. Sp. Gen. Lep.* i. p. 253. 77. *E. Doubl. Gen. of D. Lep.* p. 14. 117.
Papilio Celtibericus, *Boisd. Ind. Meth.* p. 1.
Bengal.

138. Papilio Aristæus.

Papilio Aristæus, *Cram. Pap. Ex.* t. 318. f. E. F. *Herbst, Pap.* t. 44. f. 3. 4. *Godt. Encyc. Meth.* ix. p. 51. 76. *Boisd. Sp. Gen. Lep.* i. p. 252. 76. *E. Doubl. Gen. of D. Lep.* p. 14. 118.
Iphiclides Aristæus, *Hübn. Verz. bek. Schmett.* p. 82.
Amboina, Celebes.

139. Papilio Orestes.

Papilio Orestes, *Fabr. Ent. Syst.* iii. i. p. 34. 99, ex *Jones, Icon. incd.* i. t. 79. *Godt. Encyc. Meth.* ix. p. 48. 69. *Boisd. Sp. Gen. Lep.* i. p. 378. *Westw. Arc. Ent.* p. 154.
Papilio Nomius, *Esper, Ausl. Schmett.* t. 52. f. 3. *Boisd. Sp. Gen. Lep.* i. p. 251. 75. *E. Doubl. Gen. of D. Lep.* p. 14. 119.
Princeps Heroicus Meges, *Hübn. Samml. Exot.* i. t. 106.
Iphiclides Meges, *Hübn. Verz. bek. Schmett.* p. 82.
Papilio Niamus, *Godt. Encyc. Meth.* ix. p. 51. 71. *Swains. Zool. Illustr.* 2nd ser. pl. 32.
In Collection (Brit. Mus.) from Northern India.

140. Papilio Anticrates.

Papilio Anticrates, *E. Doubl. Ann. Nat. Hist.* xviii. (1846) p. 371. *Id. Gen. of D. Lep.* p. 14. 120.

Pl. III. f. 3.—"Above, wings white, with a broad black border along the outer margin, this border divided on the anterior wings by a white line interrupted by the nervules, commencing below the second median nervule and extending nearly to the anal angle; on the posterior by a series of six lunules; anterior wings black at the base, crossed immediately beyond the base by a transverse band, followed by another directed rather more outwardly; another broader band crosses the cell about its middle, sometimes extending beyond the median nervule; a fourth band crosses the cell between this and its termination, where there is a fifth; neither of these extends below the median nervule. Posterior wings tailed, with two transverse bands near the base, of which one is nearly continuous with the first band of the anterior wings; the second, often almost macular, sometimes nearly wanting, commences a little within the second band of the anterior wing, its outer edge being nearly continuous with the inner edge of the band of the anterior wings, traverses the wing outside the cell, and at its termination curves round so as to reach the end of the first fascia, and is here marked with two greyish lunules; on the abdominal margin, near the anal angle, is a small pale spot, and the black border is here powdered with grey. Tails black, edged with white.

"Below, all the markings nearly as above, but of a pale brown; the white lunules of the posterior wings are edged with black; the second band composed first of a brown fascia, then a series of seven or eight red spots, bordered with black.

"Head black, with two white lines in front; antennæ black. Thorax black above, with two pale lateral lines; below grey. Abdomen black above, grey below, the sides with the margins of the segments pale.

"This species is closely allied to *P. Nomius* of Esper, but may be known by its smaller size, the line in the black border of the anterior wings instead of a series of dots, and some other characters."—*Ann. Nat. Hist.*

Female.—The second band from the base of the primary wings is gradually narrower towards the inner margin, and the third band does not advance beyond the median nervule.

The second band from the base of the secondary wings is more or less apparent; in some it is only slightly indicated at the base between the first and second median nervules; and the black spot at the base between the discoidal and first median nervules is entirely wanting.

In Collection (Brit. Mus.) from Northern India (Sylhet).

141. Papilio Parmatus.

Papilio Parmatus, *G. R. Gr.*

Pl. III. f. 2.—The primary wings yellowish white, with the base slightly black, and five black bands across from the anterior margin towards the inner margin; the first reaches to the inner margin, the second nearly so, but the third, fourth and fifth extend only to the median nervure, and these are broader than the former ones; a broad black border along the outer margin which is divided into two bands by a narrow line of yellowish white, and this again is apparently separated by the nervules. The secondary wings yellowish white, with the base black, and then a band, which is a continuation of the first band of the primary wing, reaches only to the median nervure; a black spot at the base between the first and second median nervules; and in the middle of the space between the second and third median nervules is a black spot, having below it a white and a black line and then a white line; along the outer margin is a broad black border, which is divided by a series of six white lunules; the four next the anal angle are powdered above with grey, and with a black spot, small and somewhat rounded at the anal angle.

The under surface of the primary wings is marked similarly to the upper side; but it is white tinged with yellow at the base, and the bands are brown. The under surface of the secondary wings is white, having a brown band near and along the inner margin, which ends in a black line, a crimson line, and then a black line; the anal angle white with a black spot; a second irregular band crosses the wing near its middle, formed inwardly of black, then crimson, and outwardly of black; this band is connected with the inner one by a black spot, having a crimson line outwardly; the markings on the outer margin are similar to those of the upper side, but a portion of the band is brown at the anterior angle.

This species is much allied to *P. Anticrates*, but the band on the under surface down the middle of the wing differs in several particulars, as is best exemplified in the figure.

In Collection (Brit. Mus.) from Australia.

142. Papilio Leosthenes.

Papilio Leosthenes, *E. Doubl. Ann. Nat. Hist.* xviii. (1846) p. 372. *Id. Gen. of D. Lep.* p. 14. 121.

Plate III. f. 1.—"Above, anterior wings whitish, slightly tinged at the base with greenish, the outer margin broadly fuscous black, divided by a whitish line extending from the second median nervule nearly to the anal angle; near the base are two transverse fuscous bands, continued across the posterior wings beyond the middle; a third band crosses the middle of the cell, extending beyond the median nervure; a fourth covers the end of the cell, nearly touching the black border. Posterior wings tailed, with a broad fuscous black margin marked with a series of whitish lunules between the nervules, less defined towards the anal angle, where they are margined with bluish, the abdominal margin black; the terminations of the two transverse bands marked by four yellowish lunules, bordered with black, of which two are placed outside the second band, two between these and the abdominal margin; tails black, bordered with whitish.

"Below, all the wings with the markings nearly as above, but there is an indication of a second pale line in the dark margin of the anterior wings, and on the posterior wings two additional red lunules outside the second band near the costa.

"Head brown, white anteriorly; antennæ black.

"Thorax brown above, with two white lines anteriorly, below greyish white. Abdomen fuscous above, greyish white below.

"This species represents in Australia *P. Nomius* and *P. Podalirius*, and their allies."—*Ann. Nat. Hist.*

In Collection (Brit. Mus.) from Australia.

143. Papilio Alebion.

Papilio Alebion, *G. R. Gr.*

Pl. XIII. f. 6.—The primary wings yellowish white, with six bands across the wing black; the first and second bands extend to the inner margin, the third to the fifth are short and reach only to the median nervure;

the outer margin very broadly bordered with black, which is divided in its whole length by two bands of yellowish white, and at the inner anterior angle by a short narrow band of the same colour. The secondary wings are yellowish white, having the first and second bands of the primary wings continued to the anal angle, where they unite; the outer margin is bordered with black, having two short lines of yellowish white at the anterior angle, but towards the posterior part of the inner margin it is ornamented with yellowish white and grey lunules; the anal angle has a large patch of bright yellow with a black lunule, having a grey lunule in the middle.

The under surface of all the wings is very similar in colour and markings, but the outer margin is less black; the commencement of the middle band of the secondary wings has a bright yellow spot, margined internally with white and outwardly with black; and below this spot is a short white line on the outward side of the band; the patch at the anal angle is partly white and partly yellow.

This species is allied to *P. Glycerion*, but the wings are of a more slender form.

In Collection (Brit. Mus.) from Northern China.

144. Papilio Glycerion.

Papilio Glycerion, *G. R. Gray, Lep. Ins. of Nepaul*, pl. 1. f. 2. *Boisd. Sp. Gen. Lep.* i. p. 247. 71. *Westw. Arc. Ent.* pl. 55. f. 3. *E. Doubl. Gen. of D. Lep.* p. 15. 122.

In Collection (Brit. Mus.) from Northern India.

145. Papilio Agetes.

Papilio Agetes, *Westw. Arc. Ent.* pl. 56. f. 1. 2. *E. Doubl. Gen. of D. Lep.* p. 15. 123.

In Collection (Brit. Mus.) from Northern India.

146. Papilio Podalirius.

Papilio Podalirius, *Linn. Syst. Nat.* i. p. 751. 36. *Rœsel, Ins.* i. ii. t. 2. *Cram. Pap. Ex.* t. 152. f. B. *Fabr. Ent. Syst.* iii. i. p. 24. 71. *Hübn. Europ. Schmett. Pap.* f. 388. 389. *Godt. Encyc. Meth.* ix. p. 50. 74. *Id. Pap. de France*, i. t. 1. f. 1. *Boisd. Sp. Gen. Lep.* i. p. 245. 70. *E. Doubl. Gen. of D. Lep.* p. 15. 124.

Papilio Sinon, *Poda, Mus. Græc.* t. 2. f. 1.

Pieris Podalirius, *Schrank, Fauna Boic.* ii. p. 163.

Iphielides Podalirius, *Hübn. Verz. bek. Schmett.* p. 82.

In Collection (Brit. Mus.) from Europe.

Variety *a*.

Papilio Feisthamelii, *Dupone. Lep. de la France, Suppl.* t. 1. f. 1. *H. Schæff. Suppl.* f. 414–416. *Westw. Arc. Ent.* p. 149.

In Collection (Brit. Mus.) from Europe.

Variety *b*.

Papilio Zanelæus, *Zeller, Isis*, 1847, p. 213.

147. Papilio Antiphates.

Papilio Antiphates, *Cram. Pap. Ex.* t. 72. f. A. B. *Fabr. Ent. Syst.* iii. i. p. 24. 72. *Jones, Icon. ined.* t. 84. *Herbst, Pap.* t. 43. f. 1. 2. *Godt. Encyc. Meth.* ix. p. 49. 71. *Boisd. Sp. Gen. Lep.* i. p. 248. 72. *E. Doubl. Gen. of D. Lep.* p. 15. 125.

Papilio Pompilius, *Fabr. Ent. Syst.* iii. i. p. 25. 74. *Godt. Encyc. Meth.* ix. p. 49. 70. *Lucas, Lep. Exot.* t. 22. f. 1.

Papilio Alcibiades, *Fabr. Ent. Syst.* iii. i. p. 25. 73. *Godt. Encyc. Meth.* ix. p. 49. 72.

Iphiclides Antiphates, *Hübn. Verz. bek. Schmett.* p. 82.

Podalirius Pompilius, *Swains. Zool. Illustr.* 2nd ser. pl. 105.

In Collection (Brit. Mus.) from Java, Northern India, and Hong Kong.

148. Papilio Evombar.

Papilio Evombar, *Boisd. Sp. Gen. Lep.* i. p. 254. 78. *E. Doubl. Gen. of D. Lep.* p. 15. 126.
Madagascar.

149. Papilio Antheus.

Papilio Antheus, *Cram. Pap. Ex.* t. 234. f. B. C. *Fabr. Ent. Syst.* iii. i. p. 36. 105. *Jones, Icon. ined.* i. t. 56. *Herbst, Pap.* t. 48. f. 3. 4. *Westw. Arc. Ent.* p. 150. *E. Doubl. Gen. of D. Lep.* p. 15. 127.
Iphiclides Antheus, *Hübn. Verz. bek. Schmett.* p. 82.
Papilio Antharis, *Godt. Encyc. Meth.* ix. p. 52. 78.
Papilio Agapenor, *Godt. Encyc. Meth.* ix. p. 54. 81. pt., *Boisd. Sp. Gen. Lep.* i. p. 255. 79. *Lucas, Lep. Exot.* t. 21. f. 2.
In Collection (Brit. Mus.) from West Africa.

150. Papilio Policenes.

Papilio Policenes, *Cram. Pap. Ex.* t. 37. f. A. B. *Boisd. Sp. Gen. Lep.* i. p. 261. 84. *E. Doubl. Gen. of D. Lep.* p. 15. 128.
Papilio Agapenor, *Fabr. Ent. Syst.* iii. i. p. 26. 76. *Jones, Icon. ined.* i. t. 51. *Westw. Arc. Ent.* p. 149.
Iphiclides Pompilius, *Hübn. Verz. bek. Schmett.* p. 82.
Papilio Scipio, *Pal. de Beauv. Ins.* t. 2. f. 1.
Papilio Polixenus, *Godt. Encyc. Meth.* ix. p. 52. 77. *Lucas, Lep. Exot.* t. 22. f. 2.
In Collection (Brit. Mus.) from West Africa.

Variety *a*.

With the markings above the marginal border of the secondary wings less prominent; and the red macular band down the middle more broadly margined interiorly with brown.
In Collection (Brit. Mus.) from South Africa (Zoolu).

151. Papilio Sinon.

Papilio Sinon, *Cram. Pap. Ex.* t. 317. f. C. D. *Fabr. Ent. Syst.* iii. i. p. 26. 75. *Herbst, Pap.* t. 44. f. 6? *Godt. Encyc. Meth.* ix. p. 53. 80. *Boisd. Sp. Gen. Lep.* i. p. 260. 83. *E. Doubl. Gen. of D. Lep.* p. 15. 130.
Iphiclides Sinon, *Hübn. Verz. bek. Schmett.* p. 82.
"North America and Jamaica," *Cram.*

152. Papilio Marcellinus.

Papilio Marcellinus, *E. Doubl. List of Lep. Brit. Mus.* p. 8. *Id. Gen. of D. Lep.* p. 15. 131.
Papilio Protesilaus, *Drury, Ins.* i. pl. 22. f. 1. 2.
Papilio Sinon, pt., *Fabr. Ent. Syst.* iii. i. p. 26. 75. *Godt. Encyc. Meth.* ix. p. 53. 80. *Boisd. Sp. Gen. Lep.* i. p. 260. 83.
In Collection (Brit. Mus.) from Jamaica.

153. Papilio Celadon.

Papilio Celadon, *Boisd. Lucas, Rev. et Mag. de Zool.* 1852, p. 130. *Westw. Gen. of D. Lep. Add.* p. 529.
Papilio Sinon ♂, *Cram. Pap. Ex.* t. 317. f. E. F. pt., *Fabr. Ent. Syst.* iii. i. p. 26. 75. *Herbst, Pap.* t. 44. f. 5.
North America.

154. Papilio Philolaus.

Papilio Philolaus, *Boisd. Sp. Gen. Lep.* i. p. 256. 80. *E. Doubl. Gen. of D. Lep.* p. 15. 129.
In Collection (Brit. Mus.) from Mexico.

155. Papilio Ajax.

Papilio Ajax, *Linn. Syst. Nat.* i. p. 750. 32. *Edwards's Birds*, pl. 34. *Fabr. Ent. Syst.* iii. i. p. 33. 97. *Herbst, Pap.* t. 42. f. 5. 6. *Smith-Abbot, Ins. of Georgia*, i. pl. 4. *Pal. de Beauv. Ins. Afr. et Am.* t. 11. f. 2. *Boisd. et Lec. Lep. Am. Sept.* t. 1. f. 1–4. *Godt. Encyc. Meth.* ix. p. 52. 79. *Boisd. Sp. Gen. Lep.* i. p. 258. 82. *E. Doubl. Gen. of D. Lep.* p. 15. 133.
Iphiclides Ajax, *Hübn. Verz. bek. Schmett.* p. 82.
Papilio Marcellus, *Cram. Pap. Ex.* t. 98. f. F. G.
In Collection (Brit. Mus.) from North America.

Variety *a*.

Papilio Marcellus, *Boisd. et Leconte, Icon. Lep. Am. Sept.* t. 2. f. 1–4. *Boisd. Sp. Gen. Lep.* i. p. 257. 81. *E. Doubl. Gen. of D. Lep.* p. 15. 132.
Papilio Ajax, *Esper, Schmett. Europ.* t. 51. f. 1.
Princeps heroicus Ajax, *Hübn. Samml. Exot.* i. t. 105.
In Collection (Brit. Mus.) from North America.

156. Papilio Arcesilaus.

Papilio Arcesilaus, *Lucas, Rev. et Mag. de Zool.* 1852, p. 131. t. 10. f. 2. *Westw. Gen. of D. Lep. Add.* p. 529.
North America.

157. Papilio Bellerophon.

Papilio Bellerophon, *Dalman, Annal. Ent.* p. 37. 1. *Boisd. Sp. Gen. Lep.* i. p. 264. 87. *E. Doubl. Gen. of D. Lep.* p. 15. 135.
Papilio Coresilaus, *Godt. Encyc. Meth.* ix. *Suppl.* p. 810.
Papilio Swainsonianus, *Langdr. MSS.*
Protesilaus Swainsonianus, *Swains. Zool. Illustr.* 2nd ser. pl. 104.
In Collection (Brit. Mus.) from Brazil.

158. Papilio Agesilaus.

Papilio Agesilaus, *Boisd. Guér. et Perch. Gen. Ins. Lep.* t. 1. *Boisd. Sp. Gen. Lep.* i. p. 263. 86. *E. Doubl. Gen. of D. Lep.* p. 15. 136.
Papilio Protesilaus, *Esper, Ausl. Schmett.* t. 52. f. 1.
In Collection (Brit. Mus.) from South America.

159. Papilio Conon.

Papilio Conon, *Hewits. Trans. Entom. Soc.* 1852, p. . pl. .
Bogota.

160. Papilio Protesilaus.

Papilio Protesilaus, *Linn. Syst. Nat.* i. p. 752. 39. *Clerck, Icon.* t. 27. f. 2. *Cram. Pap. Ex.* t. 202. f. A. B. *Fabr. Ent. Syst.* iii. i. p. 23. 69. *Godt. Encyc. Meth.* ix. p. 50. 73. *Boisd. Sp. Gen. Lep.* i. p. 262. 85. *Lucas, Lep. Exot.* t. 21. f. 1. *E. Doubl. Gen. of D. Lep.* p. 15. 137.

Princeps Heroicus Protesilaus, *Hübn. Samml. Exot.* i. t. 107.
Iphiclides Protesilaus, *Hübn. Verz. bek. Schmett.* p. 82.
Protesilaus Leilus, *Swains. Zool. Illustr.* 2nd ser. pl. 93.
In Collection (Brit. Mus.) from Brazil and Demerara.

Variety *a*.

Papilio Protesilaus, *Herbst, Pap.* t. 43. f. 3. 4.
In Collection (Brit. Mus.) from Brazil.

Variety *b*.

With the black band near the outer margin narrower.

Papilio Macrosilaus, *Boisd. MSS.*
In Collection (Brit. Mus.) from Honduras.

161. Papilio Epidaus.

Papilio Epidaus, *Boisd. MSS. E. Doubl. & Hewits. Gen. of D. Lep.* p. 15. 138. pl. 3. f. 1.
In Collection (Brit. Mus.) from Honduras and Yucatan.

162. Papilio Androcles.

Papilio Androcles, *Boisd. Sp. Gen. Lep.* i. p. 249. 73. *E. Doubl. Gen. of D. Lep.* p. 15. 140.
Celebes.

163. Papilio Dorcus.

Papilio Dorcus, *De Haan, Verh. Nat. Ges. Ned. Overz. Bez. Ins.* t. 7. f. 4. *E. Doubl. Gen. of D. Lep.* p. 16. 141.
Indian Archipelago.

164. Papilio Torquatus.

Papilio Torquatus, *Cram. Pap. Ex.* t. 177. f. A. B. *Herbst, Pap.* t. 45. f. 5. 6. *Esper, Ausl. Schmett.* t. 39. f. 1. *Godt. Encyc. Meth.* ix. p. 62. 100. *Boisd. Sp. Gen. Lep.* i. p. 367. 211. *E. Doubl. Gen. of D. Lep.* p. 16. 142.
Papilio Pelaus, *Fabr. Ent. Syst.* iii. i. p. 5. 15 (?). *Godt. Encyc. Meth.* ix. p. 61. 99 (?). *Boisd. Sp. Gen. Lep.* i. p. 367. 210 (?).
Heraclides Pelaus, *Hübn. Verz. bek. Schmett.* p. 85.
In Collection (Brit. Mus.) from Brazil.

165. Papilio Torquatinus.

Papilio Torquatinus, *Esper, Ausl. Schmett.* t. 51. f. 2. *Boisd. Sp. Gen. Lep.* i. p. 368. 212. *E. Doubl. Gen. of D. Lep.* p. 16. 143.
Papilio Pandrosus, *Godt. Encyc. Meth.* ix. p. 62. 101.
In Collection (Brit. Mus.) from Brazil.

166. Papilio Peleides.

Papilio Pelcides, *Esper, Ausl. Schmett.* t. 39. f. 2. *Boisd. Sp. Gen. Lep.* i. p. 366. 209. *E. Doubl. Gen. of D. Lep.* p. 16. 144.
Papilio Pelaus, *Herbst, Pap.* t. 19. f. 1.
South America.

167. Papilio Duponchelii.

Papilio Duponchelii, *Lucas, Ann. Soc. Ent. de France,* viii. p. . t. 8. f. 1. *E. Doubl. Gen. of D. Lep.* p. 16. 145. *D'Orb. Dict. Univ. d'Hist. Nat. Atlas, Lep.* t. 1. f. 1.

South America (Paraguay).

168. Papilio Scamander.

Papilio Scamander, *Lacord. Boisd. Sp. Gen. Lep.* i. p. 363. 206. *E. Doubl. Gen. of D. Lep.* p. 16. 146.

South America (Brazil).

169. Papilio Victorinus.

Papilio Victorinus, *E. Doubl. Ann. of Nat. Hist.* xiv. (1844) p. 418. *Id. Gen. of D. Lep.* p. 16. 147.

Pl. VI. f. 3.—"Anterior wings above black, tinged with olive, the posterior margin with a series of eight rounded yellow spots, the first indistinct, the last double, preceded by a curved series of yellow spots, interrupted opposite the discoidal cell, composed of a longitudinal streak on the costa, three rounded spots between the branches of the median nervure followed by a lunular, and on the inner margin by an elongate one, all of a yellowish colour. Posterior wings dentate olive-green, with a series of seven rounded spots beyond the discoidal cell, followed near the margin by a series of six lunules, and at the outer a round spot all yellow; cilia spotted with white.

"*Below.*—All the wings, the anterior with the disc fuscous, the outer series of spots vanishing towards the apex, the inner series more marked than above, with two additional spots opposite the discoidal cell, in which is a large yellow spot divided by a longitudinal black line. Posterior wings with the spots and lunules red, the inner series smaller than above and edged with black. Head black, orbits behind and base of palpi yellow. Thorax black, with a yellow spot on each side above anteriorly. Abdomen fuscous.

"This species is closely allied to *P. Cleotas, Grayi,* and *Phaëton,* Boisd."—*Ann. Nat. Hist.*

In Collection (Brit. Mus.) from the West Coast of America.

170. Papilio Phaëton.

Papilio Phaëton, *Boisd. MSS. E. Doubl. Gen. of D. Lep.* p. 16. 149.

In Collection (Brit. Mus.) from Columbia.

171. Papilio Grayi.

Papilio Grayi, *Boisd. Sp. Gen. Lep.* i. p. 365. 208. *E. Doubl. Gen. of D. Lep.* p. 16. 151.

In Collection (Brit. Mus.) from Brazil.

172. Papilio Cleotas.

♂. Papilio Cleotas, *G. R. Gr. Griff. An. Kingd. Ins.* pl. 86. *Boisd. Sp. Gen. Lep.* i. p. 364. 207. *E. Doubl. Gen. of D. Lep.* p. 16. 150.

♀. Papilio Lenæus, *E. Doubl. & Hewits. Gen. of D. Lep.* p. 16. 148. pl. 4. f. 2.

In Collection (Brit. Mus.) from Brazil? and Bolivia.

173. Papilio Polycaon.

Papilio Polycaon, *Cram. Pap. Ex.* t. 203. f. A. B. *Fabr. Ent. Syst.* iii. i. p. 33. 96. *Herbst, Pap.* t. 41. f. 1. 2. *Esper, Ausl. Schmett.* t. 49. f. 2. *Godt. Encyc. Meth.* ix. p. 41. 48. *Boisd. Sp. Gen. Lep.* i. p. 361. 205. *E. Doubl. Gen. of D. Lep.* p. 16. 152.

Calaides Polycaon, *Hübn. Verz. bek. Schmett.* p. 86. *Id. Samml. Exot. Suppl.* t. 8.

♀. Papilio Androgeus, *Cram. Pap. Ex.* t. 16. f. C. D; t. 350. f. A. B. *Fabr. Ent. Syst.* iii. i. p. 41. 43. *Herbst, Pap.* t. 11. f. 2. 3; t. 12. f. 1. *Esper, Ausl. Schmett.* t. 36. f. 1. 2.

Calaides Androgeus, *Hübn. Verz. bek. Schmett.* p. 86.

In Collection (Brit. Mus.) from Brazil.

Variety *a*, ♀.

Papilio Piranthus, *Cram. Pap. Ex.* t. 204. f. A. B.
Papilio Peranthus, *Herbst, Pap.* t. 12. f. 2.
Calaides Piranthus, *Hübn. Verz. bek. Schmett.* p. 86. *Id. Samml. Exot.* ii. t. .
Papilio Glaucus, *Fabr. Mant. Ins.* ii. p. 3.
Papilio Laodocus, *Fabr. Ent. Syst.* iii. i. p. 8. 23. *Donov. Nat. Repos.* pl. 130, ex *Jones, Icon. ined.* i. t. 66.
In Collection (Brit. Mus.) from Brazil.

Variety *b*. Male.

The secondary wings without the inner row of lunes of blue scales; and with a red lune at the anal angle.
In Collection (Brit. Mus.) from Guatimala.

174. Papilio Servillei.

Papilio Serville, *Godt. Encyc. Meth.* ix. *Suppl.* p. 809.
Papilio Servillei, *Boisd. Sp. Gen. Lep.* i. p. 346. 187. *E. Doubl. Gen. of D. Lep.* p. 16. 153.
Papilio Columbus, *Koll. Beitr. Ins. Fauna von Neu Granada und Vencz.* 1849, t. 1. f. 1.
Papilio Hippodamus, (*Boisd.*) *E. Doubl. List of Lep. Brit. Mus.* p. 9. *Id. Gen. of D. Lep.* p. 15. 134.
In Collection (Brit. Mus.) from Columbia.

175. Papilio Columbus.

Papilio Columbus, *Hewits. Trans. Ent. Soc.* 1851, p. 98. pl. 10. f. 1. *Westw. Gen. of D. Lep. Add.* p. 529.
In Collection (Brit. Mus.) from the river Amazon.

176. Papilio Dolicaon.

Papilio Dolicaon, *Cram. Pap. Ex.* t. 17. f. C. D. *Fabr. Ent. Syst.* iii. i. p. 23. 66. *Herbst, Pap.* t. 42. f. 3. 4. *Boisd. Sp. Gen. Lep.* i. p. 347. 188. *E. Doubl. Gen. of D. Lep.* p. 16. 154.
Iphiclides Dolicaon, *Hübn. Verz. bek. Schmett.* p. 82.
Eurytides Dolicaon, *Hübn. Samml. Exot.* ii. t. 90.
In Collection (Brit. Mus.) from Brazil.

177. Papilio Iphitas.

Eurytides Iphitas, *Hübn. Samml. Exot.* ii. t. .
Papilio Dolicaon, *Donov. Nat. Repos.* pl. 65. *Godt. Encyc. Meth.* ix. p. 40. 46.
Papilio Iphitas, *Boisd. Sp. Gen. Lep.* i. p. 348. 189. *Lucas, Lep. Exot.* t. 8. f. 1. *E. Doubl. Gen. of D. Lep.* p. 16. 155.
In Collection (Brit. Mus.) from Brazil.

178. Papilio Xuthus.

Papilio Xuthus, *Linn. Syst. Nat.* i. p. 751. 34. *Cram. Pap. Ex.* t. 73. f. A. B. *Drury, Ins.* ii. pl. 9. f. 2. *Fabr. Ent. Syst.* iii. i. p. 32. 92. *Herbst, Pap.* t. 49. f. 3. 4. *Godt. Encyc. Meth.* ix. p. 58. 90. *Boisd. Sp. Gen. Lep.* i. p. 327. 170; *Icon.* t. 1. f. 1. 2. *Lucas, Lep. Exot.* t. 19. f. 1. *H. Schäff. Suppl.* f. 411–413. *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 41. *E. Doubl. Gen. of D. Lep.* p. 16. 157.
Jasoniades Xuthus, *Hübn. Verz. bek. Schmett.* p. 83.
In Collection (Brit. Mus.) from China and Northern Australia (Port Essington).

179. Papilio Alexanor.

Papilio Alexanor, *Esper, Schmett. von Eur.* t. 110. f. 1; *Cont.* t. 65. f. 1. *Hübn. Eur. Schmett.* f. 787. 788. *Godt. Lep. de France,* t. 1. *Id. Encyc. Meth.* ix. p. 56. 88. *Boisd. Sp. Gen. Lep.* i. p. 329. 172; *Expéd. de Morée,* t. 45. f. 1. *E. Doubl. Gen. of D. Lep.* p. 16. 156; *Icon.* t. 5. f. 3.

Papilio Polydamas, *De Prunn. Lep. Pedem. Supp.* p. 69.

Jasoniades Alexanor, *Hübn. Verz. bek. Schmett.* p. 83.

In Collection (Brit. Mus.) from Europe.

180. Papilio Machaon.

Papilio Machaon, *Linn. Syst. Nat.* i. p. 750. 33. *Edwards's Birds,* pl. 343. *Rœsel, Ins.* 1. ii. t. 1. *Fabr. Ent. Syst.* iii. i. p. 30. 87. *Herbst, Pap.* t. 45. f. 1. 2. *Hübn. Eur. Schmett.* f. 390. 391. *Godt. Encyc. Meth.* ix. p. 57. 89. *Boisd. Sp. Gen. Lep.* i. p. 328. 171. *G. R. Gr. Lep. of Nepaul,* p. 6. pl. 3. f. 1. *E. Doubl. Gen. of D. Lep.* p. 16. 158.

Pieris Machaon, *Schrank.*

Jasoniades Machaon, *Hübn. Verz. bek. Schmett.* p. 83.

Amaryssus Machaon, *Dalm. Konigl. Vet. Acad. Holm.* xxxvii. p. 85.

In Collection (Brit. Mus.) from Europe and Northern India.

Variety *a*.

Papilio Sphyrus, *Hübn. Europ. Schmett.* f. 776. 777.

Europe.

Variety *b*, ♀.

Papilio Maehaon, *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 42. t. 5. f. 2.

Japan.

181. Papilio Hospiton.

Papilio Hospiton, *Gènè, Ins. Sard. Min. Cogn.* t. 2. f. 20. 21. *H. Schäff. Suppl.* f. 249. 250. *E. Doubl. Gen. of D. Lep.* p. 16. 159.

Sardinia.

182. Papilio Zelicaon.

Papilio Zelicaon, *Boisd. Ann. de la Soc. Entom. de France,* 1852, p. . *Lucas, Rev. et Mag. de Zool.* 1852, p. 136. *Westw. Gen. of D. Lep. Add.* p. 529.

In Collection (Brit. Mus.) from California.

183. Papilio Aristor.

Papilio Aristor, *Godt. Encyc. Meth.* ix. p. 60. 95. *Boisd. Sp. Gen. Lep.* i. p. 332. 174. *E. Doubl. Gen. of D. Lep.* p. 16. 160.

Antilles? Mexico?

184. Papilio Asterius.

Papilio Ajax, *Clerck, Icon.* t. 33. f. 3.

Papilio Asterius, *Cram. Pap. Ex.* t. 385. f. C. D. *Esper, Ausl. Schmett.* t. 11. f. 1. 2; t. 40. B. f. 6. var.

Papilio Asterias, *Fabr. Ent. Syst.* iii. i. p. 6. 16. *Godt. Encyc. Meth.* ix. p. 58. 91. *Boisd. et Lec. Icon. Lep. Am. Sept.* t. 4. *Boisd. Sp. Gen. Lep.* i. p. 332. 175. *Lucas, Lep. Exot.* t. 20. f. 1. *E. Doubl. Gen. of D. Lep.* p. 16. 161.

Papilio Troilus, *Drury, Ins.* i. pl. 11. f. 2. 3. 5. *Smith-Abbot, Ins. of Georgia,* i. pl. 1.

Ephœades Asterius, *Hübn. Verz. bek. Schmett.* p. 83.

In Collection (Brit. Mus.) from North America.

Variety *a*.

With a well-defined yellow macular band on the secondary wings below the discoidal cell; and the caudal appendages shorter.

In Collection (Brit. Mus.) from Venezuela.

185. Papilio Sadalus.

Papilio Sadalus, *Boisd. Lucas, Rev. et Mag. de Zool.* 1852, p. 133. t. 10. f. 4. *Westw. Gen. of D. Lep. Add.* p. 529.

In Collection (Brit. Mus.) from Quito.

186. Papilio Caiguanabus.

Papilio Caiguanabus, *Poey, Hist. Nat. de la Cuba*, i. t. 15. f. 1–4.

Cuba.

187. Papilio Leucaspis.

Papilio Leucaspis, *Godt. Encyc. Meth.* ix. p. 55. 85. *Boisd. Sp. Gen. Lep.* i. p. 349. 190. *E. Doubl. Gen. of D. Lep.* p. 16. 162.

Peru ?

188. Papilio Thyastes.

Papilio Thyastes, *Drury, Ins.* iii. pl. 35. f. 1. *Fabr. Ent. Syst.* iii. i. p. 26. 77. *Jones, Icon. ined.* i. t. 92. *Godt. Encyc. Meth.* ix. p. 54. 83. *Boisd. Sp. Gen. Lep.* i. p. 349. 191. *E. Doubl. Gen. of D. Lep.* p. 16. 163.

Iphiclides Diaphorus, *Hübn. Samml. Exot.* ii. t. 93.

In Collection (Brit. Mus.) from Brazil.

189. Papilio Marchandii.

Papilio Marchandii, *Boisd. Sp. Gen. Lep.* i. p. 350. 192. *E. Doubl. Gen. of D. Lep.* p. 17. 164.

In Collection (Brit. Mus.) from Brazil and Guatimala.

190. Papilio Mentor.

Papilio Mentor, *Boisd. Sp. Gen. Lep.* i. p. 351. 193. *E. Doubl. Gen. of D. Lep.* p. 17. 165.

In Collection (Brit. Mus.) from Brazil.

191. Papilio Thersites.

♂. Papilio Thersites, *Fabr. Ent. Syst.* iii. i. p. 30. 88. *Jones, Icon. ined.* i. t. 78. *Donov. Nat. Repos.* pl. 24. *Boisd. Sp. Gen. Lep.* i. p. 353. 195. *E. Doubl. Gen. of D. Lep.* p. 17. 166.

♀. Papilio Acamas, *Fabr. Ent. Syst.* iii. i. p. 8. 22. *Jones, Icon. ined.* i. t. 72. *Donov. Nat. Repos.* pl. 18. *Godt. Encyc. Meth.* ix. p. 42. 50. *Boisd. Sp. Gen. Lep.* i. p. 360. 203. *E. Doubl. Gen. of D. Lep.* p. 17. 176.

Papilio Thersites ♀, *Hewits.*

In Collection (Brit. Mus.) from Jamaica.

192. Papilio Lycophron.

♂. Heraclides Lycophron, *Hübn. Samml. Exot.* ii. t. .

Papilio Astyalus, *Godt. Encyc. Meth.* ix. p. 62. 102.

Papilio Mentor, *Dalm. Anal. Ent.* p. 37.

Papilio Lycophron, *Boisd. Sp. Gen. Lep.* i. p. 352. 194. *E. Doubl. Gen. of D. Lep.* p. 17. 167.

♀. Papilio Pirithous, *Roger, Boisd. Sp. Gen. Lep.* i. p. 358. 201. *E. Doubl. Gen. of D. Lep.* p. 17. 175.

Papilio Lycophron ♀, *Hewits.*

In Collection (Brit. Mus.) from Brazil.

193. Papilio Œbalus.

♂. Pl. VI. f. 1.—Papilio Pallas, *E. Doubl. List of Lep. Brit. Mus.* p. 17. *Id. Gen. of D. Lep.* p. 17. 168.

♀. Papilio Œbalus, *Lacord. Boisd. Sp. Gen. Lep.* i. p. 360. 204.

"Papilio Pallas ♀," *Hewits.*

In Collection (Brit. Mus.) from Mexico.

194. Papilio Cresphontes.

Papilio Cresphontes, *Cram. Pap. Ex.* t. 165. f. A. B; t. 166. f. B. *Herbst, Pap.* t. 39. f. 1–3. *E. Doubl. Gen. of D. Lep.* p. 17. 169.

Papilio Thoas, var., *Boisd. et Lec. Icon. Lep. Am. Sept.* t. 12. 13. *Boisd. Sp. Gen. Lep.* i. p. 355. 197. *Godt. Encyc. Meth.* ix. p. 62. 103.

Heraclides Oxilus, *Hübn. Verz. bek. Schmett.* p. 83.

In Collection (Brit. Mus.) from Jamaica and Honduras.

195. Papilio Ornythion.

Papilio Ornythion, *Roger, Boisd. Sp. Gen. Lep.* i. p. 354. 196. *E. Doubl. Gen. of D. Lep.* p. 17. 171.

Yucatan.

196. Papilio Thoas.

Papilio Thoas, *Linn. Mant. Alt.* p. 536. *Drury, Ins.* i. pl. 22. f. 1. 2. *Cram. Pap. Ex.* t. 167. f. A, B. *Fabr. Ent. Syst.* iii. i. p. 32. 94. *Herbst, Pap.* t. 40. f. 3. 4. *Godt. Encyc. Meth.* ix. p. 62. 103. *Boisd. Sp. Gen. Lep.* i. p. 355. 197. *E. Doubl. Gen. of D. Lep.* p. 17. 170.

Princeps heroicus Thoas, *Hübn. Samml. Exot.* i. t. 113.

Heraclides Thoas, *Hübn. Verz. bek. Schmett.* p. 83. *Id. Samml. Exot.* ii. t. 100.

In Collection (Brit. Mus.) from Brazil and Venezuela.

197. Papilio Pæon.

Papilio Pæon, *Roger, Boisd. Sp. Gen. Lep.* i. p. 356. 198. *E. Doubl. Gen. of D. Lep.* p. 17. 172.

Chili. Bogota.

198. Papilio Daphnis.

Papilio Daphnis, *Martyn's Psyche,* pl. 4. f. 10. & pl. 3. f. 8.

Papilio Aristodemus, *Esper, Ausl. Schmett.* t. 56. f. 2. *Boisd. Sp. Gen. Lep.* i. p. 357. 199. *E. Doubl. Gen. of D. Lep.* p. 17. 173.

Papilio Temenes, *Godt. Encyc. Meth.* ix. p. 63. 104.

In Collection (Brit. Mus.) from Antilles?

199. Papilio Oxynius.

Laertias Oxynius, *Hübn. Samml. Exot. Suppl.* t. 23.

Papilio Augustus, *Boisd. Sp. Gen. Lep.* i. p. 358. 200.

Papilio Oxynius, *E. Doubl. Gen. of D. Lep.* p. 17. 174.

Cuba.

200. Papilio Erostratus.

Papilio Erostratus, *Westw. Trans. Ent. Soc.* v. pl. 3. f. 2. *Id. Gen. of D. Lep. Add.* p. 529.

In Collection (Brit. Mus.) from Guatimala.

201. Papilio Garamas.

Euphœades Garamas, *Hübn. Samml. Exot. Suppl.* t. 6.

Papilio Garamas, *E. Doubl. Gen. of D. Lep.* p. 17. 178.

Mexico.

202. Papilio Pelaus.

Papilio Pelaus, *Fabr. Ent. Syst.* iii. i. p. 5. 15. *Jones, Icon. ined.* i. t. 32. *Godt. Encyc. Meth.* ix. p. 61. 99. *Boisd. Sp. Gen. Lep.* i. p. 367. 210. *Westw. Arc. Ent.* p. 16. 107. pl. 18. f. 1. 2. *E. Doubl. Gen. of D. Lep.* p. 17. 179.

Papilio Imerius, *Godt. Encyc. Meth.* ix. p. 61. 121. *Boisd. Sp. Gen. Lep.* i. p. 367. 210.

Papilio Augias, *Menetr. Nouv. Mém. Soc. Imp. de Mosc.* iii. t. 10. f. 1. 2.

In Collection (Brit. Mus.) from Jamaica.

203. Papilio Cacicus.

Papilio Cacicus, *Boisd. Lucas, Rev. et Mag. de Zool.* 1852, p. 132. *Westw. Gen. of D. Lep. Add.* p. 529.

In Collection (Brit. Mus.) from Quito.

204. Papilio Argentus.

♂. Papilio Lysithous, *Godt. Encyc. Meth.* ix. p. 73. 136. *Lucas, Lep. Exot.* t. 16. f. 2.

Thoas Lysithous, *Swains. Zool. Illustr.* 2nd Ser. pl. 121.

♀. Papilio Argentus, *Martyn, Psyche*, pl. 14. f. 34.

Papilio Hectorides, *Esper, Ausl. Schmett.* t. 40 *c*. f. 1. *Donov. Natur. Repos.* pl. 177. *Boisd. Sp. Gen. Lep.* i. p. 303. 137. *E. Doubl. Gen. of D. Lep.* p. 17. 180.

Menelaides Chirodamas, *Hübn. Samml. Exot.* ii. t. 103.

In Collection (Brit. Mus.) from Brazil.

Note.—Mr. Hewitson possesses a specimen of a male insect which is supposed to be a variety of this species, having the oblique band of the four wings distinctly marked, but of the same black colour as the other parts of the wings; otherwise they are similar in their markings and general colour. It is marked as from Minas Geraes.

205. Papilio Mezentius.

Papilio Mezentius, *E. Doubl. Ann. of Nat. Hist.* xiv. (1844) p. 417. *Id. Gen. of D. Lep. Pap.* p. 17. no. 181.

Pl. III. f. 4.—*Above.* "Anterior wings black, with a narrow macular whitish band commencing indistinctly upon the costa, traversing these wings considerably *beyond* the discoidal cell, and terminating on the disc of the posterior wings, where the last spot is divided into three parts by the disco-cellular and the last branch of the median nervure. Posterior wings black, sprinkled beyond the middle with a few bluish scales, deeply dentate; the third tooth from the anal angle prolonged into a long spatulate tail, marked, in addition to the white fascia, with three somewhat rose-coloured spots placed transversely between the abdominal margin and the termination of the macular band, which is here slightly tinted with rose-colour. Beyond these are three lunules of the same colour, one above the anal angle, the others close to the margin, between the first, second and third branches of the median nervure, succeeded by two sigmoid red spots, and near the anal angle by a whitish one. Anal angle itself red. Cilia white, except at the extremity of the dentations.

"*Below* paler than above, and in addition to the markings of the upper surface there is a narrow white line near the outer margin of the anterior wings, extending from the fourth branch of the median nervure to the anal

angle, and on the posterior wings an indistinct macular flexuous white band preceding the marginal series of lunules and spots.

"Head black; palpi yellow; thorax black, spotted below with yellowish; abdomen fuscous, with a yellowish lateral line.

"From the west coast of America (probably of New Granada or the Ecuador). Closely allied to *P. Hectorides*, but may be easily known from it, as the macular white band begins nearer the apex of the anterior wings, crosses the wing at *some distance beyond* the discoidal cell, and is continued nearly in a direct line to the disc of the posterior wings, only a slight portion being within the discoidal cell."—*Ann. Nat. Hist.*

In Collection (Brit. Mus.) from the West Coast of America.

206. Papilio Perrhebus.

Papilio Perrhebus, *Boisd. Sp. Gen. Lep.* i. p. 305. 140. *E. Doubl. Gen. of D. Lep.* i. p. 19. 226.

Paraguay.

207. Papilio Rurikia.

Papilio Rurikia, vel Rurik, *Eschsch. Voy. de Kotzebue*, t. 1. f. 1.

Brazil.

208. Papilio Laius.

Papilio Harrisianus, var., *Godt. Encyc. Meth.* ix. *Suppl.* p. 812.

Papilio Laius, *Roger, Boisd. Sp. Gen. Lep.* i. p. 311. 148. *E. Doubl. Gen. of D. Lep.* p. 17. 183.

♀ ?. Papilio Harrisianus, pt., *Boisd. Sp. Gen. Lep.* i. p. 310. 147. *E. Doubl. List of Lep. Ins. B. M.* p. 14.

In Collection (Brit. Mus.) from Brazil.

209. Papilio Lysithous.

Hectorides Lysithous, *Hübn. Samml. Exot.* ii. t. 105.

Papilio Lysithous, *E. Doubl. Gen. of D. Lep.* p. 17. 182.

Papilio Claudius, pt., *Boisd. Sp. Gen. Lep.* i. p. 311. 149.

Brazil.

210. Papilio Harrisianus.

♂. Papilio Claudius, *Boisd. Sp. Gen. Lep.* i. p. 311. 149.

Papilio Lysithous, pt., *E. Doubl. Gen. of D. Lep.* p. 17. 182.

♀. Papilio Harrisianus, *Swains. Zool. Illustr.* pl. 109. *Godt. Encyc. Meth.* ix. *Suppl.* p. 812. *Boisd. Sp. Gen. Lep.* i. p. 312. 147. *E. Doubl. Gen. of D. Lep.* p. 17. 184.

In Collection (Brit. Mus.) from Brazil.

211. Papilio Bunichus.

Menelaides Buniehus, *Hübn. Samml. Exot.* ii. t. 102.

Papilio Ascalus, *Godt. Encyc. Meth.* ix. *Suppl.* p. 812.

Papilio Bunichus, *Boisd. Sp. Gen. Lep.* i. p. 308. 145. *E. Doubl. Gen. of D. Lep.* p. 17. 186.

In Collection (Brit. Mus.) from Brazil.

212. Papilio Chamissonia.

Papilio Chamissonia, *Eschsch. Voy. de Kotzebue*, t. 2. f. 3.

Brazil.

213. Papilio Echedorus.

Papilio Echedorus, *Boisd. Sp. Gen. Lep.* i. p. 308. 144. *E. Doubl. Gen. of D. Lep.* p. 17. 187.
In Collection (Brit. Mus.) from Brazil.

214. Papilio Proneus.

Hectorides Proneus, *Hübn. Zutr.* f. 497. 498.
Papilio Proneus, *Boisd. Sp. Gen. Lep.* i. p. 307. 147. *E. Doubl. Gen. of D. Lep.* p. 17. 188.
In Collection (Brit. Mus.) from Brazil.

215. Papilio Phryneus.

Papilio Phryneus, *Boisd. Lucas, Rev. et Mag. de Zool.* 1852, p. 136. *Westw. Gen. of D. Lep. Add.* p. 529.
In Collection (Brit. Mus.) from Brazil. Cayenne.

216. Papilio Eurydorus.

Papilio Eurydorus, *Lucas, Rev. et Mag. de Zool.* 1852, p. 135. *Westw. Gen. of D. Lep. Add.* p. 529.
Brazil.

217. Papilio Agavus.

Papilio Agavus, *Drury, Ins.* iii. pl. 9. f. 4. *Stoll, Pap. Exot.* t. 32. f. 1. 1*a*. *Godt. Encyc. Meth.* ix. p. 73. 137. *Boisd. Sp. Gen. Lep.* i. p. 306. 142. *Lucas, Lep. Exot.* t. 4. f. 1. *E. Doubl. Gen. of D. Lep.* p. 17. 189.
Menelaides Agavus, *Hübn. Verz. bek. Schmett.* p. 85.
Princeps heroicus Agavus, *Hübn. Samml. Exot.* i. t. 112.
Papilio Lysander, *Fabr. Ent. Syst.* iii. i. p. 9. 25. *Godt. Encyc. Meth.* ix. p. 69. 120.
In Collection (Brit. Mus.) from Brazil.

218. Papilio Ascanius.

Papilio Ascanius, *Cram. Pap. Ex.* t. 14. f. A. *Drury, Ins.* iii. pl. 9. f. 1. *Fabr. Ent. Syst.* iii. i. p. 3. 8. *Herbst, Pap.* t. 13. f. 3. *Godt. Encyc. Meth.* ix. p. 74. 138. *Boisd. Sp. Gen. Lep.* i. p. 306. 141. *Lucas, Lep. Exot.* t. 16. f. 1. *E. Doubl. Gen. of D. Lep.* p. 18. 190.
Menelaides Ascanius, *Hübn. Verz. bek. Schmett.* p. 85.
Hectorides Ascanius, *Hübn. Samml. Exot.* ii. t. 104.
In Collection (Brit. Mus.) from Brazil.

219. Papilio Astyagas.

Papilio Astyagas, *Drury, Ins.* iii. pl. 35. f. 4. *E. Doubl. Gen. of D. Lep.* p. 17. 185.
Papilio Asius, *Fabr. Ent. Syst.* iii. i. p. 8. 21. *Godt. Encyc. Meth.* ix. p. 55. 84. *Boisd. Sp. Gen. Lep.* i. p. 309. 146.
Papilio Manlius, *Perty, An. Ins.* t. 29. f. 1 *b*.
Iphiclides Asius, *Hübn. Samml. Exot.* ii. t. 92.
In Collection (Brit. Mus.) from Brazil.

220. Papilio Caudius.

Princeps dominans Caudius, *Hübn. Samml. Exot.* i. t. 117.
Priamides Caudius, *Hübn. Verz. bek. Schmett.* p. 87.
Papilio Caudius, *Boisd. Sp. Gen. Lep.* i. p. 301. 135. *E. Doubl. Gen. of D. Lep.* p. 18. 191.
In Collection (Brit. Mus.) from Para.

221. Papilio Patros.

Papilio Patros, *G. R. Gr.*

Female. Pl. VII. f. 7.—The primary wings brownish black, clearer at the summits. The secondary wings strongly dentated and tailed; brownish black, with three lengthened and longitudinal spots of crimson between the discoidal and the third median nervules; two spots at the anal angle and another spot near the outer margin between the second subcostal and the discoidal nervules of a deep crimson; the margins between the dentations are crimson and white, but entirely white at the anterior angle.

The under surface of the primary wings is of a pale brownish black, clearer at the summits, and with a slender yellow streak along the costal nervure. The under surface of the secondary wings is dark brownish black, with the narrow border between the dentations white, which is sometimes margined inwardly with crimson; the lengthened longitudinal spots are similarly placed to those of the upper side, but the one between the discoidal and the first median nervule is divided into two by brownish black; these spots are white in their middle, white anteriorly, and posteriorly they are pale crimson; three rather small spots run even with the outer margin towards the anterior angle; these are crimson, with the anterior side white; the two crimson spots at the anal angle are larger than those on the upper side, the lower one is bordered inwardly with white.

In Collection (Brit. Mus.) from Ega, Amazon River.

Variety *a*. Pl. VII. f. 8. Female.

The primary wings brownish black, clearer at the summits; with a subquadrate buff spot near the middle of the wing and close at the apex of the median nervure, divided into two by the base of the second median nervule; below and near the middle of the third median nervule are some scattered buff scales. The secondary wings brownish black, with three longitudinal spots of crimson between the third median and discoidal nervules; but between the discoidal and second subcostal nervules are two crimson spots; at the apex of the discoidal cell and between the second and first subcostal nervules are a few scattered crimson scales; a small spot of white at the anterior angle having a few scattered crimson scales, and two spots of crimson at the anal angle; the margins between the dentations are white and crimson, but entirely white at the anterior angle.

The under surface of the primary wings is brownish black, with a streak of buff along the costal nervure, and with two buff spots in the middle of the wing as on the upper side. The under surface of the secondary wings is deep brownish black, with two longitudinal spots of whitish crimson, having the anterior and posterior part of each deep crimson; two crimson spots, having a patch of black between them, are placed in the spaces between the second subcostal and first median nervules; then two spots, even with the outer margin at the anterior angle, of crimson margined with white on one side, and with a large patch of deep black above each; at the anal angle there are two crimson spots, the lower one margined on two sides with white; the margin between the dentations white, the two at the anal angle are margined interiorly with crimson.

In Collection (Brit. Mus.) from Ega, Amazon River.

Variety *b*. Pl. VII. f. 5. Female.

The primary wings brownish black, with the base and the anterior and posterior margins more obscure, and in the space between the second and third median nervules is some scattered yellow scales. The secondary wings brownish black, with the margins between the dentations white, some of which have a mixture of red scales; two longitudinal spots of buff are placed between the first and third median nervules; while at the base between the discoidal and first median nervules is a small spot of buff, and on the outer margin runs a series of four sublunate spots of buff; all the buff markings have some scattered black scales over them; at the anal angle there are two spots; the upper one is of a rosy red, of a tear-shape form, while the lower one is narrow and transverse, partly buff and partly rosy red.

The under surface of the primary wings pale brownish black, with two spots of scattered buff scales at the bases of the two spaces between the first and third median nervules, and there is a streak of buff along the costal nervure. The under surface of the secondary wings brownish black, with the outer margin and the large buff

marks similar to those on the upper side; but the spot at the base, between the discoidal and first median nervules, is smaller, and of a rosy red; and there is an indication of another very small spot at the base, between the discoidal and second subcostal nervules; the four markings that run along the outer margin between the first median nervule and the anterior angle are larger, of a suboval form, and of a buff colour, with some scattered scales of a rosy red.

In the Collection of Mr. Bates, who captured it at Ega, on the Amazon.

222. Papilio Orchamus.

♀. Papilio Orchamus, *Boisd. Sp. Gen. Lep.* i. p. 300. 133. *E. Doubl. Gen. of D. Lep.* p. 18. 192.

Pl. VII. f. 6.

In Collection (Brit. Mus.) from Venezuela.

223. Papilio Polybius.

Troilides Tros, *Hübn. Samml. Exot.* ii. t. 110.

Papilio Polybius, *Swains. Zool. Illustr.* pl. 137. *E. Doubl. Gen. of D. Lep.* p. 18. 193.

Papilio Trojanus, *Boisd. Sp. Gen. Lep.* i. p. 301. 134.

In Collection (Brit. Mus.) from Brazil.

Variety *a*. Female.

Having the two white spots on the primary wings below the median nervure continued to the inner margin; this colour is also continued across the secondary wings, thus forming a broad band to the inner margin; but the posterior half of the discoidal cell is pale red, which is also the colour of the spots below this cell; these are similar in form to those represented in *P. Polybius*.

In the Collection of James Wilson, Esq.

224. Papilio Dardanus.

♂. Papilio Dardanus, *Fabr. Ent. Syst.* iii. i. p. 10. 29. *Jones, Icon. ined.* i. t. 26. *Godt. Encyc. Meth.* ix. p. 73. 134. *Boisd. Sp. Gen. Lep.* i. p. 304. 139. *Lucas, Lep. Exot.* t. 13. f. 2. *E. Doubl. Gen. of D. Lep.* p. 18. 194.

♀. Papilio Tros, *Fabr. Ent. Syst.* iii. i. p. 10. 30. *Jones, Icon. ined.* t. 28. *Godt. Encyc. Meth.* ix. p. 73. 135. *Donov. Nat. Repos.* pl. 29. *Boisd. Sp. Gen. Lep.* i. p. 304. 138.

In Collection (Brit. Mus.) from Brazil.

225. Papilio Iphidamas.

Male. Pl. VIII. f. 1.—The primary wings deep bluish black, having narrow white lunes on the outer margin between the nervules, with a somewhat zigzag line of buffy white at the fore part of the discoidal cell, which is more or less bordered in the inner side with greenish grey scales; a small buffy white somewhat oval spot at the base between the second discoidal and the first median nervules; while between the base of the first and second median nervules is a subquadrate spot of greenish grey, having a small buffy white spot at the outer angle, and there is a narrow line of greenish grey scales below the second median nervule. The secondary wings bluish black, having the margins between the dentations white; a transverse curved band of deep opalescent scarlet crosses the middle of the wing, divided into six spots by the nervules, and it touches the discoidal nervure at the base of the first median nervule; the first spot near the anal angle is very small and linear, the next three are nearly equal and the largest; the fifth is small and subquadrate, and the sixth is distinct from the others, and is much smaller and subrounded. The inner margin is very large and folded, enclosing a quantity of silvery white down.

The under surface of the primary wings brownish black, with a macular band across at the fore part of the discoidal cell, composed of four unequal spots; the first is a long triangle of bluish white; the second is placed within the discoidal cell, partly of bluish white and buffy white; the third is at the base of the discoidal and

first median nervules, partly bluish white and buffy white; while the fourth is below the first median nervule, and is very small and of a buffy white. The under surface of the secondary wings brownish black, with a transverse curved band, which is divided into six spots by the nervules, of a pinkish white bordered with darker on the margins; the first spot at the anal angle is large and subtriangular; the other spots are similar to those on the upper side, but they are not so broad, and thereby do not reach to the nervure of the discoidal cell.

Female. Pl. VIII. f. 2.

Papilio Iphidamas, *Fabr. Ent. Syst.* iii. i. p. 17. 52. *Jones, Icon. ined.* i. t. 31. *Godt. Encyc. Meth.* ix. p. . 34. *Boisd. Sp. Gen. Lep.* i. p. 292. 121. *E. Doubl. Gen. of D. Lep.* p. 19. 220.

Papilio Arcas, *E. Doubl. List of Lep. Ins. Brit. Mus.* p. 12.

In Collection (Brit. Mus.) from Honduras and Mexico.

It is by comparison with Jones's figure (♀) that this species has been named *P. Iphidamas*. Though it is necessary to say, that the figure differs in some respects from the specimens, yet it is so slight that it is thought best to adopt the Fabrician name rather than give a new one; as the specimens themselves do not exactly agree in the size of the white space on the primary wings, which is rather larger in Jones's figure than in any of the specimens in the Museum.

226. Papilio Panares.

Papilio Panares, *G. R. Gr.*

Female. Pl. X. f. 4.—The primary wings bronzy black, having seven very minute buffy white lunes on the outer margin, with a band of buffy white, divided into four unequal spots; the first is placed at the base of the first and second subcostal nervules; the second is large and occupies the fore part of the discoidal cell, but not touching the disco-cellular nervules; the two next are divided by the base of the first median nervule. The secondary wings bronzy black, with margins between the dentations buffy white; a transverse curved band of carmine extends from the anal angle towards the first subcostal nervule, and is divided by the nervules into six unequal spots; the first at the anal angle large and subquadrate; the second, third and fourth are the largest and are of an oblong form; the fifth is much smaller, and the sixth is very small and rounded; these last three are more distinctly separated by the black nervules from one another than is the case with the others.

The under surface of the primary wings is very similar to the upper side, but the band is more decidedly white. The under surface of the secondary wings is brownish black, having the same formed band as on the upper side; but the spots are more distinctly separated, and of a pinkish white margined with some carmine scales, while the spot at the anal angle is smaller and less quadrate.

In Collection (Brit. Mus.) from Mexico.

227. Papilio Serapis.

♂. Papilio Serapis, *Boisd. Sp. Gen. Lep.* i. p. 298. 130. t. 1. B. f. 2. *E. Doubl. Gen. of D. Lep.* p. 18. 196.

♀. "Papilio Arripus, *Boisd.*," *E. Doubl. List Lep. Ins. Brit. Mus. Add.* p. 147.

Like *P. Arcas* in general appearance, but the spot in the discoidal cell of the primary wings does not occupy so large a space, and is of a somewhat triangular form; the outer margin has nine minute lunes of white scales between the nervules. The transverse band of the secondary wings extends less towards the base of the wings, and thereby it is not quite so wide as in *P. Arcas*, and it appears to be of a lighter colour, being pale scarlet with the anterior part and inner margin yellow, which colour is also prominent on the disco-cellular, the base of the discoidal, and the three median nervules. In these differences it agrees best with *P. Arriphus*, Boisd., but this last-mentioned species has the band rather narrower, though the discoidal cell is occupied by a larger quantity of the yellowish scarlet colour; and it is easily distinguished both from *P. Arcas* and the female above noticed, by the dentations of the secondary wings being more obtuse, and the margin between the dentations being bordered with crimson, and also by the outer margin of the primary wings being ornamented with four very minute spots of crimson scales.

In Collection (Brit. Mus.) from Columbia.

228. Papilio Arcas.

♀. Papilio Arcas, *Cram. Pap. Ex.* t. 378. f. C. *Herbst, Pap.* t. 10. f. 3. *Godt. Encyc. Meth.* ix. p. 37. 35. *Boisd. Sp. Gen. Lep.* i. p. 293. 122. *E. Doubl. Gen. of D. Lep.* p. 18. 195.

"Brazil," *Cram.*

229. Papilio Pyrochles.

Papilio Pyrochles, *E. Doubl. Ann. Nat. Hist.* xiv. (1844) p. 416. *Id. Gen. of D. Lep.* p. 18. 197.

Male. Pl. IX. f. 2.—"*Above*:—Anterior wings black, glossed with shining olive, marked on the inner margin near the base with a trigonate glaucous spot not quite attaining the discoidal cell. Posterior wings deep black, with three brilliantly opalescent crimson spots between the branches of the median nervures, of which the outer is rounded, the others much larger and oval. All the cilia spotted with white.

"*Below*:—Fuscous, anterior wings with a few glaucous scales between the second and third branches of the median nervure. Posterior wings with the same marking as above, but of a pinkish white, crimson posteriorly, and between these and the anal angle a large pale and a small deeper red spot.

"Head black; palpi crimson; thorax and abdomen black, the sides below spotted with crimson.

"From S^{ta} Fé de Bogota."—*Ann. Nat. Hist.*

In Collection (Brit. Mus.) from New Granada.

Variety *a*. Male.

With a small round white spot at the anterior angle of the glaucous triangular space on the primary wings.

In Collection (Brit. Mus.) from New Granada.

230. Papilio Erithalion.

Male. Pl. X.* f. 3.—In general appearance it is like the male of *P. Zeuxis*, but the dentations of the secondary wings are more prominent, especially that at the end of the first median nervule; while the spots below the discoidal cell are divided into four in one specimen and into five in the other, and they are of a deep scarlet, which is but slightly opalescent in some lights.

Female. Pl. X.* f. 4.

Papilio Erithalion, *Boisd. Sp. Gen. Lep.* i. p. 295. 125. *E. Doubl. Gen. of D. Lep.* p. 18. 198.

In Collection (Brit. Mus.) from Venezuela.

231. Papilio Zeuxis.

♂. Papilio Rhamases, *Boisd. MSS. E. Doubl. List Lep. Ins. Brit. Mus. Add.* p. 147.

♂ & ♀. Papilio Zeuxis, *Boisd. Lucas, Rev. et Mag. de Zool.* 1852, p. 190. *Westw. Gen. of D. Lep. Add.* p. 529.

Pl. IX. f. 6 ♂ et f. 7 ♀.

In Collection (Brit. Mus.) from Venezuela.

232. Papilio Phaënon.

♂. Papilio Phaënon, *Koll. Beitr. Ins. Fauna von Neu Granada und Venezuela*, 1849, t. 1. f. 5. 6. *Westw. Gen. of D. Lep. Add.* p. 529.

New Granada.

233. Papilio Proteus.

♂. Papilio Protcus, *Boisd. Sp. Gen. Lep.* i. p. 297. 128.

Papilio Vertumnus, pt., *Godt. Encyc. Meth.* ix. p. 37. 38. *Lucas, Lep. Exot.* t. 7. f. 2.

Priamides Osymanduas, *Hübn. Samml. Exot. Suppl.* t. 9.

Papilio Tullus ♂, *E. Doubl. Gen. of D. Lep.* p. 18. 201.

♀. Papilio Nephalion, *Godt. Encyc. Meth.* ix. p. 37. 36. *Boisd. Sp. Gen. Lep.* i. p. 294. 124. *Lucas, Lep. Exot.* t. 14. f. 3. *E. Doubl. Gen. of D. Lep.* p. 18. 199.

Papilio Proteus ♀, *Chavan.*

In Collcetion (Brit. Mus.) from Brazil.

Variety *a*. Male.

Papilio Stilbon, *Koll. Ann. Wien Mus.* 1839, t. 12. f. 1. (♂).

Brazil.

Variety *b*. Female.—Pl. X.* f. 8.

Papilio Nephalion, *E. Doubl. List of Lep. Ins. Brit. Mus. Add.* p. 147.

Differs from M. Lucas's figure referred to above by the small size of the spot in the discoidal cell of the primary wings and by having a fourth narrow white mark below the third median nervule. The transverse band on the secondary wings is rather narrower, which causes the third and fourth spots from the anal angle not to touch the nervure that forms the discoidal cell, as is the case in the specimen figured in Lucas's work. This band is of a rich carmine with the fore part much paler, though the small round spot between the first and second subcostal nervules is entirely of a rich crimson.

The under surface of the primary wings brownish black, with the same white spots as are seen on the upper side, and with a faint streak of buffy white along the subcostal nervules. The under surface of the secondary wings is similar to the upper side, but the spots differ, viz. the first from the anal angle and the small one at the anterior angle are pinkish white, thickly covered with carmine scales; the second, third and fourth from the anal angle are pinkish white, with the posterior part of each covered thickly with carmine scales.

In Collection (Brit. Mus.) from Brazil.

234. Papilio Tarquinius.

♀. Papilio Tarquinius, *Boisd. Sp. Gen. Lep.* i. p. 296. 127. *Westw. Gen. of D. Lep. Add.* p. 529.

Columbia.

235. Papilio Zestos.

Papilio Zestos, *G. R. Gr.*

Female. Pl. X.* f. 5.—Like *Papilio Tarquinius* in general appearance, but the buffy white spot in the discoidal cell is smaller and is placed at a little distance from the apical part of the median nervure; the spot between the first and second median nervules is subtriangular, and the one between the base of the second and the middle of the third median nervules is nearly twice the width anteriorly that it is posteriorly, and there is an indication of a very small spot below, about half-way between the base and apex of the third median nervule. The secondary wings have the transverse curved band of deep scarlet, but it is broader, and it is placed at a little distance from the nervure that forms the discoidal cell; the first spot at the anal angle is partly separated anteriorly; this, and the second and third are the largest, the fourth is smaller, while the fifth and sixth are much smaller, one of which is placed close to the posterior side of the costal nervure and the other to that of the first subcostal nervule.

The under surface of the primary wings is brownish black, with the buff spot of the same form as on the upper side, and with a narrow streak of buff along the subcostal nervules. The under surface of the secondary wings is brownish black, with the same formed band as on the upper side, but it is of a pinkish white, margined with crimson scales; the spot at the anal angle is smaller than that on the upper side.

In Collection (Brit. Mus.) from Honduras.

236. Papilio Diceros.

Papilio Diceros, *G. R. Gr.*

Female. Pl. XI. f. 4.—The primary wings deep black, and the outer margin between the nervules bordered with minute lunes of white; a large round space of white occupies the middle of the wing, which is divided into four unequal spots by the median nervure and the first and second median nervules.

The secondary wings deep black, and the outer margin between the obtuse dentation bordered with white; a broad transverse band of subopalescent crimson at a little distance from the discoidal cell, which is divided into six unequal spots; the two at the anal angle are large and unequal in width, the two next are equal and are wider than the rest, while the two next are less, decreasing in size towards the anterior angle.

The under surface of all the wings is similar in colour and markings to the upper side; but the transverse band of the secondary wings is rosy white covered with darker coloured minute scales, especially on the margin of each spot.

This species is closely allied to *P. Tarquinius*, Boisd.; but in this latter species the white space on the primary wings is divided into four spots by the median nervure and the *second* and *third* median nervules; the transverse band on the secondary wings is rather narrower, and it is continued by an additional minute spot of rosy white below and close to the first subcostal nervule.

In Collection (Brit. Mus.) from Para.

Variety *a*. Female.

With the white space in the middle of the primary wings composed of four spots, but the one at the base between the second discoidal and the first median nervules is very small.

The transverse band on the secondary wings is similar in form to the last, but it is without the opaline appearance.

Para.

Variety *b*. Female.

With the white space in the middle of the primary wings altogether smaller, though composed of four spots; but the one at the base between the second discoidal and first median nervules is rather larger than that represented in the figure, while the two other spots below the median nervure are much reduced in size.

The transverse band on the secondary wings is rather narrower, but similar in form, and there is a minute spot of the same colour in the middle between the costal nervure and the subcostal nervule.

Para. (In the Collection of Mr. Hewitson.)

Variety *c*. Female.

With the white space in the middle of the primary wings divided into four spots; the one in the discoidal cell reduced in size, and the two between, at the base of the second discoidal and the second median nervules, are larger than the other specimens, while the spot below the second median nervule is reduced into a very narrow streak only.

The transverse band on the secondary wings is like that of Variety *a*, but the spot between the second costal and discoidal nervules is only slightly apparent.

Para. (In the Collection of Mr. Wallace.)

237. Papilio Cixius.

Papilio Cixius, *G. R. Gr.*

Female. Pl. VIII. f. 6.—The primary wings brownish black, with the summit rather clearer, having eight minute spots of white scales on the outer margin; a subquadrate white spot occupies the space at the bases of the first and second median nervules. The secondary wings brownish black, with the margin between the dentations narrowly bordered with white; a large space of pale carmine extends from the anal angle to

the second subcostal nervule, and is divided into five lengthened spots by the submedian nervure and by the three median nervules, the third and fourth being larger than the others.

The under surface of the primary wings is very similar to the upper side, both in colour and marking. The under surface of the secondary wings is similar to the upper side, but the space is less in size and of a pinkish white.

In Collection (Brit. Mus.) from Ega, on the river Amazon.

238. Papilio Phronius.

♀. Papilio Phronius, *Boisd. Lucas, Rev. et Mag. de Zool.* 1852, p. 489. *Westw. Gen. of D. Lep. Add.* p. 529.
Cayenne.

239. Papilio Neophilus.

♂. Papilio Neophilus, *Hübn. Zutr.* f. 997. 998.
Surinam.

240. Papilio Erlaces.

Papilio Erlaces, *G. R. Gr.*

Male. Pl. VIII. f. 9.—The primary wings bluish black, with the apical portion clearer, and on the outer margin eight very minute spots of white scales; a large space of bronzy grey between the basal half of the second median nervule and the middle of the inner margin, with a subquadrate spot of white on the outer portion between the second and third median nervules. The secondary wings bluish black, having the margins between the dentations of the outer margin white; and with three unequal subovate scarlet spots, placed in the middle of the spaces between the discoidal and the first, second and third median nervules.

The under surface of the primary wings is brownish black, clearer at the anterior angle, having the white subquadrate spot of the upper side, but with an extra small spot of the same colour below the third median nervule. The under surface of the secondary wings is brownish black, having the white narrow lunes between the dentations of the outer margin; but there are four spots of pinkish white, with some scattered scarlet scales, and these are continued towards the anterior angle by two small patches of scarlet scales; while on the fold at the anal angle is another scarlet spot, thus forming a curved band of seven distinct spots.

Female. Pl. VIII. f. 10.—The primary wings brownish black, having the apical portion clearer, with a space of white in the middle of the wing that is divided into three spots by the apex of the median nervure and the base of the second median nervule; the portion within the discoidal cell, and that between the bases of the first and second median nervules, are subtriangular; while the third is an oblong square, rounded on the outer margin, and with the anterior angle only touching the median nervure. The secondary wings brownish black, having the outer margin between the dentations pale carmine; a transverse curved band of six oval spots of carmine extends from the anal angle to the first subcostal nervule, and is placed nearly half-way between the discoidal cell and the outer margin.

The under surface of the primary wings is very similar to the upper side both in colour and marking. The under surface of the secondary wings is similar to the upper side, but the spots are of a pinkish white, and those at the anal angle are smaller than two seen on the upper side.

In Collection (Brit. Mus.) from Bolivia.

241. Papilio Cyphotes.

Papilio Cyphotes, *G. R. Gr.*

Female.—Like the female of *P. Erlaces* in form and general appearance.

The primary wings brownish black, with eight minute white spots on the outer margin, and a large white space near the middle of the wing, composed of five unequal spots; the first very small, and placed between, at

the base of the first and second subcostal nervules; the second is very large, and situated in the fore part of the discoidal cell, reaching from the median nervure across nearly to the subcostal nervure; the third is small and subtriangular, at the base of the second discoidal and first median nervules; the fourth is large, reaching halfway towards the outer margin; while the fifth is a lengthened narrow spot below the second median nervule.

The secondary wings brownish black, with the border between the dentations white, and with a transverse band of seven distinct spots of yellowish crimson which runs about midway between the nervure of the discoidal cell and the outer margin; the two first at the anal angle are small and equal; the two next are the largest of all, nearly equal and oval; and the three next gradually decrease in size to the anterior angle.

The under surface of all the wings is similar in colour and markings to the upper side; but the seven spots on the secondary wings are pinkish white, with the posterior part covered with crimson scattered scales.

The width across the wings nearly 3 inches 10 lines.

In the Collection of Mr. Hewitson; and it is from South America.

242. Papilio Timias.

♂. Papilio Timias, *E. Doubl. Gen. of D. Lep.* p. 18. 203.

Male. Pl. IX. f. 5.—The primary wings bluish black, with the summits clearer; an oblique subtriangular band of greyish green, which commences near the middle of the submedian nervure and continues towards the first median nervule, at a little distance from the median nervure; there are two very small spots of white on the outer margin at the apex of this band. The secondary wings bluish black, with the outer margin between the dentations carmine; a large space of carmine near the middle of the wing, which is divided into six unequal spots; the first occupies nearly the posterior half of the discoidal cell, and round this spot are five which are separated from one another by the discoidal, and the first, second and third median nervules; the first, third and fourth spots from the inner margin are the smallest, while the second and fifth are the largest, especially the latter.

The under surface of the primary wings is brownish black, with two small white spots between the first and third median nervules. The under surface of the secondary wings is brownish black, with the outer margin between the dentations pale carmine; the posterior part of the discoidal cell tinged with red; the five longitudinal spots that are outside that cell are smaller than those of the upper side, and of a pinkish white.

In Collection (Brit. Mus.) from Guayaquil.

243. Papilio Orbignyanus.

♂. Papilio Orbignyanus, *Boisd. Lucas, Rev. et Mag. de Zool.* 1852, p. 192. t. 10. f. 3. (♂). *Westw. Gen. of D. Lep. Add.* p. 530.

Corrientes.

244. Papilio Eurimedes.

♂. Papilio Eurimedes, *Cram. Pap. Ex.* t. 386. f. E. F. *Esper, Ausl. Schmett.* t. 15. f. 2. *Godt. Encyc. Meth.* ix. p. 34. 26. *Boisd. Sp. Gen. Lep.* i. p. 285. 111. *E. Doubl. Gen. of D. Lep.* p. 18. 204.

Parides Æneas, *Hübn. Verz. bek. Schmett.* p. 87.

♀. Papilio Arriphus, *Boisd. Sp. Gen. Lep.* i. p. 293. 123.

Papilio Serapis ♀, *E. Doubl. Gen. of D. Lep.* p. 18. 196.

In Collection (Brit. Mus.) from Venezuela.

245. Papilio Cymochles.

♂. Papilio Cymochles, *E. Doubl. Ann. Nat. Hist.* xiv. (1844) p. 416. *Id. Gen. of D. Lep.* p. 18. 205.

Male. Pl. X. f. 8.—"Anterior wings fuscous, the base and inner margin black, marked with a large trigonate glaucous spot extending to the discoidal cell, marked at its upper angle with a dull white spot divided into two by the second branch of the median nervure. Posterior wings black, brilliantly shaded with blue along

the abdominal fold, marked on the disc with a palmate crimson opalescent spot divided into six portions by the nervures, one small within the cell, four others resting on the branches of the median and on the radial nervure, the outer of these small, the others successively larger, except the last, which is almost linear. Cilia all spotted with white.

"Head black, palpi and occiput red. Thorax black with a red collar, below spotted with red. Abdomen fuscous, two spots on each side near the base, and the margin of the last segment below red."—*Ann. Nat. Hist.*

In Collection (Brit. Mus.) from Trinidad.

246. Papilio Orellana.

♂. Papilio Orellana, *Hewits. Trans. Soc. Ent.* 1852, p. 24. pl. 5. f. 2. *Westw. Gen. of D. Lep. Add.* p. 529.

Ega, on the Amazon.

247. Papilio Æneides.

♂. Papilio Æneas, *Cram. Pap. Ex.* t. 279. f. A. B. *Lucas, Lep. Exot.* t. 13. f. 3. pt., *Fabr. Ent. Syst.* iii. i. p. 17. 50. pt., *Godt. Encyc. Meth.* ix. p. 33. 24. pt., *E. Doubl. Gen. of D. Lep.* p. 18. 202.

Papilio Dardanas, *Jones, Icon. ined.* i. t. 26?

Papilio Æneides mas, *Esper, Ausl. Schmett.* t. 15. f. 3.

Parides Gargasus, *Hübn. Verz. bek. Schmett.* p. 87.

Papilio Æneas ♂, *Boisd. Sp. Gen. Lep.* i. p. 286. 112.

Female. Pl. IX. f. 8.—The primary wings brownish black, having the summits clearer, with an oblique space near the middle of the wing, which is divided into four spots; viz. that between the bases of the second discoidal and first median nervules is small and hardly apparent; the second, between the bases of the first and second median nervules, is larger, partly white, and partly obscured by black scales; the third is between the base of the second and third median nervules, touching the median nervure at the anterior angle only; it is the largest, and perfectly white, as is also the case with the small oblong spot below the third median nervule. The secondary wings bluish black, having the outer margin between the dentations pale crimson; a curved transverse band of six pale crimson spots extends from the anal angle to the anterior angle; the two at the anal angle are hardly separated by the submedian nervure; the third, fourth and fifth are the largest, and touch the nervure which forms the discoidal cell; the sixth is small subquadrate, and is placed at a little distance from the cell.

The under surface of the primary wings is very similar to the upper side, both in colour and marking. The under surface of the secondary wings is also similar to the upper side, but the macular band is of a pinkish white; each spot is surrounded with some scattered black scales.

In Collection (Brit. Mus.) from Para.

248. Papilio Eurybates.

Papilio Eurybates, *G. R. Gr.*

Male. Pl. IX. f. 1.—The primary wings pointed and of a bluish black, having the apical portion clearer; a large space of a subquadrate form, of yellowish green, between the third median nervule and the middle of the inner margin, and with two semitransparent whitish spots between the anterior outer angle of the yellowish green space and the base of the first median nervule. The secondary wings bluish black, with the outer margin between the dentations very slightly bordered with pale scarlet; a large space of scarlet, which occupies nearly the whole of the discoidal cell, and nearly half of the basal portion of the spaces between the second subcostal and the third median nervules, having the posterior part much brighter than the inner portion.

The under surface of the primary wings is bluish black, having the two semitransparent spots as on the upper side, and an additional white spot below the third median nervule. The under surface of the secondary wings is bluish black, having a curved transverse band of five small spots of pinkish white, four of which are below the discoidal cell and the other at the anal angle.

In Collection (Brit. Mus.) from Bolivia.

249. Papilio Æneas.

♂. Papilio Æneas, *Linn. Syst. Nat.* p. 747. 16. *Rœsel, Ins.* ix. t. 2. f. 2. *Cram. Pap. Ex.* t. 279. f. C. D. *Fabr. Ent. Syst.* iii. i. p. 17. 50. *Herbst, Pap.* t. 9. f. 5. 6. *Godt. Encyc. Meth.* ix. p. 33. 24. *E. Doubl. Gen. of D. Lep.* p. 18. 202.

Papilio Æneides fœm., *Esper, Ausl. Schmett.* t. 15. f. 4.

Papilio Æneas ♀, *Boisd. Sp. Gen. Lep.* i. p. 286. 112.

Papilio Bochus, *Boisd. Lucas, Rev. et Mag. de Zool.* 1852, p. 191.

In Collection (Brit. Mus.) from Para.

250. Papilio Thelios.

Papilio Thelios, *G. R. Gr.*

Female. Pl. X.* f. 7.—The primary wings brownish black, having the outer margin ornamented with eight minute spots of white scales between the nervules; two spots of white in the middle of the wing, the first placed between, at the base of the first and second median nervules, the second is between the second and third median nervules, while below these are two spots of bronzy scales, between the third median nervule and the inner margin, thus forming an oblique short band on the wing. The secondary wings brownish black, having the outer margin bordered between the dentations with white; a curved transverse band of seven scarlet spots extends from the anal angle to the anterior angle; the two at the anal angle subquadrate, and scarcely divided by the submedian nervure; the third and fourth are the largest, and nearly equal in size, while the fifth, sixth and seventh gradually decrease in size towards the anterior angle.

The under surface of the primary wings is similar in colour, and with two white spots of the same form, but the two bronzy spots are not apparent. The under surface of the secondary wings brownish black, but with the seven spots of a pinkish white, while the two at the anal angle are smaller and only partly united.

This insect is supposed to be the female of the former species, but as some doubts exist as to the correctness of this view, it is thought best to place it as distinct for the present.

In Collection (Brit. Mus.) from Para.

251. Papilio Lycomes.

♀. Papilio Tullus, *Esper, Ausl. Schmett.* t. 12. f. 3.

Papilio Arbates, var. ♀?, *Boisd. Sp. Gen. Lep.* i. p. 291. 118.

Surinam.

252. Papilio Ergeteles.

Papilio Ergeteles, *G. R. Gr.*

Male. Pl. VIII. f. 5.—The primary wings much pointed and bluish black, with the summits clearer; a greenish grey space, which is divided into two spots by the base of the third median nervule; the first is subquadrate and the second is crescent-shaped, being rounded on the side nearest the inner margin. The secondary wings bluish black, and very narrowly bordered with pinkish white between the dentations of the outer margin; a large space of pale carmine, having the anterior part obscure, which is divided into four lengthened spots by the first and second median and the discoidal nervules; each spot nearly touches the nervure that forms the discoidal cell.

The under surface of the primary wings is entirely sooty black. The under surface of the secondary wings is sooty black, with the macular space as seen on the upper side, but the spots are less in size, which removes them a greater distance from the nervure that forms the discoidal cell, and they are of a pinkish white; there is a small spot of pinkish white on the fold at the anal angle.

In Collection (Brit. Mus.) from the border of the river Amazon.

Female.—The form is like that of the male, but the dentations of the secondary wings are rather more obtuse.

The primary wings deep black, with the summits clearer; a space of white, which is surrounded with scattered

black scales, occupies the middle of the wings, and is divided into three unequal spots, by the median nervure and by the base of the second median nervule.

The secondary wings deep black, with the border between the dentations crimson; a crimson space occupies the same position, and is of similar form to that shown in the figure of the male, but it extends to the inner margin, though of a less width.

The under surface of the wings is similar to the upper side, but the space on the secondary wings is of a pinkish white, with some scattered black scales anteriorly, which give the space the appearance of being less in size than on the upper side.

The width across the wings is 4 inches.

In the Collection of Mr. Wallace, who brought it from the river Amazon.

253. Papilio Cœlus.

♀. Papilio Cœlus, *Lacord. Boisd. Sp. Gen. Lep.* i. p. 289. 117. *E. Doubl. Gen. of D. Lep.* p. 18. 209.
Guiana.

254. Papilio Lysander.

♂. Papilio Lysander, *Cram. Pap. Ex.* t. 29. f. C. D. *Esper, Ausl. Schmett.* t. 16. f. 1.
Papilio Meleander, *Herbst, Ins.* t. 10. f. 1?
Parides Lysander, *Hübn. Verz. bek. Schmett.* p. 87.
Princeps dominans Lysander, *Hübn. Samml. Exot.* i. t.
Papilio Eurymas, *Godt. Encyc. Meth.* ix. p. 34. 27. *Boisd. Sp. Gen. Lep.* i. p. 284. 110. *Westw. Gen. of D. Lep. Add.* p. 529.

Female.—The primary wings brownish black, having the summits clearer, and with eight minute spots of white scales on the outer margin; a white space occupies the middle of the wing, which is divided into three unequal spots, by the median nervure and by the base of the first median nervule; the one between the first and second median nervules is the largest, while that in the discoidal cell partakes of a triangular form. The secondary wings deep brownish black, with the outer margin between the dentations white; a curved transverse band of seven distinct and unequal spots of pale reddish buff; those at the anal angle are scarcely separated by the submedian nervure, which gives them an appearance of one large subquadrate spot; the third and fourth are the largest and oblong; the fifth is less and rounded, while the two next are small, especially the seventh; these spots are all far removed from the nervure that forms the discoidal cell.

The under surface of the primary wings is very similar to the upper side, both in colour and marking. The under surface of the secondary wings is similar to the upper side, but the seven spots are of a pinkish white.

In Collection (Brit. Mus.) from Demerara.

255. Papilio Brissonius.

Male. Pl. VIII. f. 7.—The primary wings pointed and bluish black, with the summits clearer; an oblique subtriangular space of a rich greyish blue, which commences from nearly the middle of the inner margin and reaches to the second median nervule. The secondary wings deep bluish black, with the outer margin between the dentations of a pinkish white; a large space of scarlet, with the anterior half of a brighter colour; and this space is divided into four oblong spots by the nervules, the first, second and third spots from the anal angle touching, or nearly touching, the nervure that forms the discoidal cell; there is also a minute scarlet spot above the second subcostal nervule.

The under surface of the primary wings is black, with the summits clearer. The under surface of the secondary wings is deep black, with only four of the spots similar to those seen on the upper side; they are smaller and of a pinkish white; there is also a pinkish white spot at the anal angle.

Female. Pl. VIII. f. 8.

Princeps dominans Pompeius, *Hübn. Samml. Exot.* i. t.

Priamides Brissonius, *Hübn. Verz. bek. Schmett.* p. 87.

Papilio Arbates, var. ♀, *Boisd. Sp. Gen. Lep.* i. p. 290. 118.

In Collection (Brit. Mus.) from Ega, on the river Amazon.

It is on the authority of Mr. Bates that Hübner's figure is referred to as the female of this species; he having sent specimens, which agree with the figure, as the female of the above-described male.

256. Papilio Parsodes.

Papilio Parsodes, *G. R. Gr.*

Male. Pl. VIII. f. 3.—The primary wings rather pointed and bluish black, with the summits clearer; an oblique subtriangular space of greenish blue, which commences in the middle of the inner margin and reaches to nearly the first median nervule. The secondary wings deep bluish black, with the outer margin between the dentations pinkish white; a large space of carmine, somewhat obscured anteriorly by some black scales, is placed below the discoidal cell, and is divided into six spots by the nervules; the first from the inner margin is only slightly apparent and linear, the second to the fifth are large and oblong, while the sixth is small and subtriangular.

The under surface of the primary surface is deep black, with the summits clearer. The under surface of the secondary wings is deep black, with four small spots of pinkish white; these are the posterior portions only of the large spots that are seen on the upper side; there is also another subquadrate spot of pinkish white, which is not seen on the upper side.

This sex is very like in general appearance to *P. Lysander*, Cr.; but the oblique band of this latter species is narrower towards the apex, and it extends only to the second median nervule, while it is of the same greenish blue colour. The secondary wings have only four oblong spots of carmine, and the fourth is always small and subquadrate.

The two specimens of the male insect are contained in Mr. Wallace's Collection, that exhibit some appearance of white on the outer side of the apex of the subtriangular space of greenish blue, which is more prominent on the under surface in the form of three unequal spots; one between the second and third median nervules, while two are placed between the third median nervule and the submedian nervure. Otherwise these specimens were similar to the male previously described.

Female. Pl. VIII. f. 4.—The primary wings brownish black, with the summits clearer; a white space near the middle wing, which is divided into three unequal spots, by the apical portion of the median nervure and the base of the second median nervule; the spot between the second and third median nervules is the largest; there is also a slight indication of a small linear spot below the third median nervule. The secondary wings deep brownish black, having the outer margin between the dentations white; a curved transverse band of seven distinct spots of very pale crimson; the first five are of a lengthened form, but the third, fourth and fifth are the largest, while the sixth and seventh are smaller and of a subquadrate form.

The under surface of the primary wings is very similar to the upper side, both in colour and marking. The under surface of the secondary wings is also similar; but the seven spots are smaller and of a pinkish white, with some scattered black scales on the anterior portion of each spot.

It is on the authority of Mr. Bates that these are considered sexes of the same species.

In Collection (Brit. Mus.) from Para.

257. Papilio Echelus.

♂. Princeps dominans Echelus, *Hübn. Samml. Exot.* i. t. 125.

Parides Echelus, *Hübn. Verz. bek. Schmett.* p. 87.

Papilio Æneas, *Esper, Ausl. Schmett.* t. 9. f. 1 ?

Papilio Echelus, *Boisd. Sp. Gen. Lep.* i. p. 287. 113. *E. Doubl. Gen. of D. Lep.* p. 18. 120.

Papilio Agathokles, *Koll. Beitr. Ins. Fauna von Neu Granada*, p. 2. *Westw. Gen. of D. Lep. Add.* p. 529.

♀. Princeps dominans Echemon, *Hübn. Samml. Exot.* i. t. 120.

Priamides Echemon, *Hübn. Verz. bek. Schmett.* p. 87.

Papilio Polymetus ♀, *Boisd. Sp. Gen. Lep.* i. p. 283. 108. *E. Doubl. Gen. of D. Lep.* p. 18. 212.
In Collection (Brit. Mus.) from Para.

Variety *a*. Female. Pl. X.* f. 1.

Papilio Spartacus, *E. Doubl. Gen. of D. Lep.* p. 18. 206.
In Collection (Brit. Mus.) from Brazil.

258. Papilio Hierocles.

Papilio Hierocles, *G. R. Gr.*

Male. Pl. X. f. 2.—The primary wings glossy bluish black, with the summits clearer, and the outer margin with eight minute spots of white scales between the nervules; a lengthened triangular space of greenish grey, commencing from the inner margin nearest the base, and continuing beyond the second median nervule; this band has on the outer side near the apex a suboblong spot of white cut into two by the third median nervule. The secondary wings bluish black, with the basal portion glossed with purple, and the outer margin between the dentations white; a transverse curved band opalescent crimson, which is divided into four spots by the nervules; the two next the anal angle are the largest, and nearly equal in size, the third is smaller and subquadrate, while the fourth is the smallest of all, so much so, that in some specimens it is hardly apparent.

The under surface of the primary wings dull black, with the summits clearer, having only the two white spots which are seen on the upper side. The under surface of the secondary wings is dull black, with a curved band of six spots of pale scarlet, but the anterior portions of the second and third are of a pale pink.

Female. Pl. IX. f. 9.—The primary wings brownish black, with the summits clearer and the outer margin between the nervules narrowly bordered with white; a space of white occupies the middle wing, which is divided into three and sometimes only into two spots; the first is placed between at the base of the first and second median nervules; the second, which is the largest, is placed between at the base of the second and third median nervules; and the third is small and linear, and is placed below the third median nervule. This latter spot is sometimes wanting, and these spots are less in size in some specimens, which is caused by the black colour spreading itself between the median nervule and the spots.

The under surface of the primary wings brownish black, with similar white spots to those seen on the upper side. The under surface of the secondary wings brownish black, marked in the same manner as on the upper side, but the spots are pinkish white bordered with scarlet.

In Collection (Brit. Mus.) from Para.

259. Papilio Marcius.

♀. Princeps dominans Marcius, *Hübn. Samml. Exot.* i. t. 121.
Priamides Marcius, *Hübn. Verz. bek. Schmett.* p. 87.
Papilio Marcius, *Boisd. Sp. Gen. Lep.* i. p. 288. 115.
Papilio Echelus ♀, *E. Doubl. Gen. of D. Lep.* p. 18. 210.
In Collection (Brit. Mus.) from Para.

260. Papilio Aglaope.

Papilio Aglaope, *G. R. Gr.*

Male. Pl. X. f. 5.—The primary wings deep bluish black, with the summits clearer; a greyish blue oblique band commences about the middle of the inner margin and extends to the median nervure between the first and second median nervules; this band has on its outer side, between the second and third median nervules, a quadrate white spot. The secondary wings are entirely bluish black, with the outer margin between the dentations narrowly bordered with scarlet; a transverse curved band of four longitudinal scarlet spots, with the anterior part more obscure, runs across the wing; the three first from the inner margin are of an equal size, but the fourth is smaller and somewhat quadrate.

The under surface of the primary wings is black, with the summits clearer, and with two white spots between the first and third nervules, nearer the median nervure than the outer margin. The under surface of the secondary wings is black, having a transverse curved band of five rather small pink spots, with the third and fourth larger than the others.

Female. Pl. X. f. 6.—The primary wings brownish black, with the summits clearer, and the outer margin ornamented with minute white spots; an oblique band of four unequal white spots, which are situated between the second discoidal nervule and the submedian nervure; viz. one above the first median nervule and the one below the third median nervule are very small, while the two others in between these are large and subquadrate. The secondary wings are brownish black, with the outer margin between the dentations white; a transverse curved band of seven spots of pale pink; viz. two spots at the anal angle are united together and subquadrate, the third and fourth are large and oblong, while the others gradually decrease in size to the seventh, which is very small.

The under surface of the primary wings is like the upper side, both in colour and marking. The under surface of the secondary wings is similar to the upper side, but the spots are pinkish white, with the posterior portion of each, and the one at the anal angle entirely, rose colour.

In Collection (Brit. Mus.) from Para.

261. Papilio Zacynthus.

♂. Papilio Zacynthus, *Fabr. Ent. Syst.* iii. i. p. 15. 46. *Jones, Icon. ined.* i. t. 22. *Godt. Encyc. Meth.* ix. p. 34. 25. *Donov. Nat. Repos.* pl. 26. f. 1. *Boisd. Sp. Gen. Lep.* i. p. 284. 109. *E. Doubl. Gen. of D. Lep.* p. 18. 211.

♀. Papilio Dimas, *Fabr. Ent. Syst.* iii. i. p. 16. 47. *Jones, Icon. ined.* i. t. 23. *Godt. Encyc. Meth.* ix. p. 36. 33. *Donov. Nat. Repos.* pl. 26. f. 2. *Boisd. Sp. Gen. Lep.* i. p. 292. 120. *Lucas, Lep. Exot.* t. 14. f. 2.

Priamides Hippason, pt., *Hübn. Verz. bek. Schmett.* p. 85.

Papilio Polymetus ♀, *Chav. Bull. Soc. Vaud. Sc. Nat.* iii. p. .

In Collection (Brit. Mus.) from Brazil.

Variety *a*.

♂. Papilio Polymetus, *Godt. Encyc. Meth.* ix. p. 35. 28. *Boisd. Sp. Gen. Lep.* i. p. 283. 108. *Lucas, Lep. Exot.* t. 6. f. 1. *E. Doubl. Gen. of D. Lep.* p. 18. 212. (pt.)

In Collection (Brit. Mus.) from Brazil.

262. Papilio Eupales.

♀. Papilio Dimas, pt., *E. Doubl. List of Lep. Ins. Brit. Mus.* p. 12.

Papilio Neophilus, *Boisd. MSS.*

Papilio Eupales, *G. R. Gr.*

Female. Pl. X. f. 2.—In general appearance it is very like the female of *P. Zacynthus*, but it is very much smaller. The primary wings brownish black, with the summits clearer; an oblong space of white is placed near the middle of the wing, which is divided into the same number of minor spots by the same nervure and nervules as in the female of *P. Zacynthus*, but the spot between the second and third median nervules does not extend so much towards the outer margin. The secondary wings are deep brownish black, with the outer margin between the dentations pinkish white; a transverse band of pale carmine, that is divided into six oblong spots, the third, fourth and fifth of which touch the nervure which forms the discoidal cell; the sixth is situated at a little distance from it.

The under surface of the primary wings is brownish black, with the same white space as on the upper side. The under surface of the secondary wings is deep brownish black, with the same transverse band, but the spots are of a pinkish white, slightly margined with some scattered black scales.

In Collection (Brit. Mus.) from Brazil.

263. Papilio Sonoria.

♀. Papilio Anchises, *Sulzer, Gesch. Ins.* t. 12. f. 4.
Papilio Arbates, pt., *Boisd. Sp. Gen. Lep.* i. p. 291. 118.
Priamides Marcius?, *Hübn. Verz. bek. Schmett.* p. 87.
Papilio Sonoria, *G. R. Gr.*
In Collection (Brit. Mus.) from Para.

Variety *a*.

Female. Pl. X. f. 1.—In general appearance this is very like the former, but the white space in the middle of the primary wings is smaller, being composed only of three unequal spots; and the one in the discoidal cell is sometimes almost obliterated, which gives at first sight the appearance as if there were only two.

The band on the secondary wings is similar in form, but the spots are of a rich carmine.

In Collection (Brit. Mus.) from Para.

264. Papilio Orsillus.

Papilio Polymetus, *Swains. Zool. Illustr.* 1st ser. pl. 92. ♂ ♀. pt., *E. Doubl. Gen. of D. Lep.* p. 18. 212.
In Collection (Brit. Mus.) from Pernambuco.

The male contained in the collection differs from Mr. Swainson's figure of that sex in wanting the small scarlet spot in the discoidal cell of the secondary wings; otherwise they are similar.

265. Papilio Bolivar.

♂. Papilio Bolivar, *Hewits. Trans. Ent. Soc.* 1851, p. 97. pl. 10. f. 2 (♂). *Westw. Gen. of D. Lep. Add.* p. 529.

Female. Pl. X. f. 7.—The primary wings brownish black, with the outer margin between the nervules ornamented with minute white lunes. The secondary wings black, except on the inner margin, where it is brownish black; the outer margin between the dentations white; a space of buffy white, which is situated below the discoidal cell, and is divided into five spots by the nervules, and there is a mark of the same colour at the anal angle.

The under surface of the primary wings is similar to the upper side. The under surface of the secondary wings is like the upper side, but the buffy white space is composed only of four large spots.

In Collection (Brit. Mus.) from Ega, on the river Amazon.

266. Papilio Vertumnus.

Papilio Vertumnus, *Cram. Pap. Ex.* t. 211. f. A. B. *Fabr. Ent. Syst.* iii. i. p. 16. 49. *Jones, Icon. ined.* i. t. 27. *Esper, Ausl. Schmett.* t. 15. f. 1. *Godt. Encyc. Meth.* ix. p. 37. 38? *Boisd. Sp. Gen. Lep.* i. p. 298. 129. *E. Doubl. Gen. of D. Lep.* p. 18. 200.
Parides Vertumnus, *Hübn. Verz. bek. Schmett.* p. 87.

Female.—In general appearance like *P. Tullus*, Cram., but the buffy white space on the primary wings is rather smaller. The secondary wings are like those of Cramer's figure, but there is not any crimson spot between the discoidal and the first median nervules; the white narrow border between the nervules is wider than those in *P. Tullus*.

In Collection (Brit. Mus.) from Para.

Variety *a*. Male.
Papilio Vertumnus, *Cram. Pap. Ex.* t. 211. f. C.
Surinam.

Variety *b*. Male.

Having a small white spot on the exterior border of the green space between the second and third median nervules of the primary wings, and also with a small extra, round, scarlet, opalescent spot between the second subcostal and the discoidal nervules of the secondary wings.

In Collection (Brit. Mus.) from Para.

Variety *c*.

Papilio Cutora, *G. R. Gr. MSS.*

Male. Pl. X.* f. 6.—Like the former in general appearance, but the large space on the inner margin of the primary wings is of an olivaceous green, with the anterior part much rounded, and extending only to the middle of the space between the second and third median nervules, while in the former it always reaches the second median nervule, and like the former it is sometimes ornamented with a small cream-coloured spot, but it is placed below the second median nervule, while in the other it is situated above it. The secondary wings are furnished with the same formed opalescent scarlet spots that are seen in the former.

Female. Pl. V. f. 2.—Like the female of the former, but the buffy white spots on the primary wings are rather larger.

In Collection (Brit. Mus.) from Ega, on the river Amazon.

267. Papilio Sesostris.

♂. Papilio Sesostris, *Cram. Pap. Ex.* t. 211. f. F. G. *Herbst, Pap.* t. 10. f. 1. *Godt. Encyc. Meth.* ix. p. 38. 40. *Boisd. Sp. Gen. Lep.* i. p. 299. 131. *Lucas, Lep. Exot.* t. 14. f. 1. *E. Doubl. Gen. of D. Lep.* p. 19. 213.

Princeps dominans Sesostris, *Hübn. Samml. Exot.* i. t. 127.

Parides Sessostris, *Hübn. Verz. bek. Schmett.* p. 87.

♀. Papilio Tullus, *Cram. Pap. Ex.* t. 277. f. C. D. *Godt. Encyc. Meth.* ix. p. 37. 37. *Boisd. Sp. Gen. Lep.* i. p. 295. 126. *E. Doubl. Gen. of D. Lep.* p. 18. 201.

Papilio Proteus ♀, *E. Doubl.* l. c.

Priamides Tullus, *Hübn. Verz. bek. Schmett.* p. 87.

In Collection (Brit. Mus.) from Brazil and Honduras.

Variety *a*. Male.

Papilio Childrenæ, *G. R. Gr. in Griff. An. Kingd.* pl. 38. f. 1. 2.

Brazil.

268. Papilio Hippason.

♂. Papilio Hyppason, *Cram. Pap. Ex.* t. 29. f. E.

Papilio Hippason, *Esper, Ausl. Schmett.* t. 16. f. 2. *Godt. Encyc. Meth.* ix. p. 35. 30. *Boisd. Sp. Gen. Lep.* i. p. 281. 106. *E. Doubl. Gen. of D. Lep.* p. 19. 214.

Papilio Dimas, pt., *Fabr. Ent. Syst.* iii. i. p. 16. 47.

Priamides Hippason, *Hübn. Verz. bek. Schmett.* p. 87.

♀ ? Papilio Amosis, *Cram. Pap. Ex.* t. 269. f. A. B. *Godt. Encyc. Meth.* ix. p. 35. 29.

Papilio Hippason ♀, *Boisd. Sp. Gen. Lep.* i. p. 281. 106. *E. Doubl. Gen. of D. Lep.* p.

Priamides Amosis, *Hübn. Verz. bek. Schmett.* p. 87.

In Collection (Brit. Mus.) from Demerara.

Variety *a*.

♂. Papilio Amosis, *Esper, Ausl. Schmett.* t. 16. f. 3.

Surinam.

Variety *b*.

♂. Princeps dominans Hyppason, *Hübn. Samml. Exot.* i. t. 124.

Papilio Hippason, pt., *Boisd. Sp. Gen. Lep.* i. p. 281. 106.

The band, which commences in the middle of the inner margin of the primary wings, is narrower throughout and is whiter in colour than that on the Demerara specimen contained in the collection and on the figure given by Cramer.

Female. Pl. X. f. 3.—The primary wings black, with the summits clearer; a large white space occupies the middle of the wing, which is divided into four spots; that within the discoidal cell at the apex of the median nervure is very slightly apparent, the second is between the second discoidal and first median nervule, and the next is between this latter nervule and the second median nervule, both of these touch the median nervure; the fourth spot is between the second and third median nervules, not touching the median nervure. The secondary wings black, with the borders between the dentations slightly fringed with white; a transverse curved band composed of seven spots, the spot at the anal angle large and dilated at the posterior end, the second and third are the longest and oblong; the fourth to the sixth each decreasing in size towards the anterior angle; all these spots are scarlet, with the anterior part more obscured, but the seventh, which is between the costal nervure and the first subcostal nervule, is white and of a lengthened form.

The under surface of the primary wings is brownish black, showing the same white space as on the upper side. The under surface of the secondary wings is deep brownish black, with the same spots as on the upper side, but they are pinkish white, with the anterior part scarlet, except the seventh, which is white; a crimson mark between the basal part of the median nervure and the submedian nervule.

In Collection (Brit. Mus.) from Para.

269. Papilio Euristeus.

Papilio Euristeus, *Cram. Pap. Ex.* t. 29. f. F. *Boisd. Sp. Gen. Lep.* i. p. 282. 107. *Westw. Gen. of D. Lep. Add.* p. 529.

Papilio Dimas, pt., *Fabr. Ent. Syst.* iii. i. p. 16. 47.

Papilio Hippason, pt., *Godt. Encyc. Meth.* ix. p. 35. 30.

Priamides Euristeus, *Hübn. Verz. bek. Schmett.* p. 87.

Surinam.

270. Papilio Opleus.

Papilio Opleus, *Godt. Encyc. Meth.* ix. p. 33. 22. *Boisd. Sp. Gen. Lep.* i. p. 281. 105. *E. Doubl. Gen. of D. Lep.* p. 19. 215.

South America.

271. Papilio Ilus.

♂. Papilio Ilus, *Fabr. Ent. Syst.* iii. i. p. 17. 51. *Jones, Icon. ined.* i. t. 29. *Godt. Encyc. Meth.* ix. p. 33. 21. *Boisd. Sp. Gen. Lep.* i. p. 280. 104. *E. Doubl. Gen. of D. Lep.* p. 19. 218.

America.

According to the figure in Jones's Icones this species is very like *P. Harmodius*; except that there are only three spots below the discoidal cell and a small one at the anal angle on each of the secondary wings.

272. Papilio Harmodius.

Papilio Harmodius, *E. Doubl. Ann. Nat. Hist.* xviii. (1846) p. 374. *Id. Gen. of D. Lep.* p. 19. 223.

Pl. VII. f. 2.—"Above, anterior wings fuscous black, with bright olive-green reflections, marked with a large white spot below the cell, divided into two unequal parts by the first median nervule, and slightly crossing

the radial nervure, not extending either to the cell or the inner margin. Cilia white, except at the apex and the ends of the nervules, where they are black. Posterior wings black, with olivaceous reflections, crossed considerably beyond the middle by a band composed of five crimson spots, the first rounded, the second smaller, somewhat oval; third oval, much larger, rather truncate externally; fourth oval, rather smaller than the third: fifth quadrate; between this band and the margin one or two small faint whitish clouds. Cilia white, except at the end of the teeth.

"Below, all the wings paler than above, without any olive lustre; the spots of the posterior wings pale, darker externally; the base of the anterior wings marked on the costa with a brilliant carmine spot, the cell with four black longitudinal vittæ, the white spot as above; base of the posterior wings with three crimson spots, one on the costa, one in the cell, the third below the median nervure. Cell with three black longitudinal vittæ.

"Head black, with two whitish lines in front and two spots of the same colour on the vertex. Thorax black, spotted with white above. Abdomen black, the sides spotted with white.

"Closely allied to *P. Ilus* [*P. Evagoras* of this Catalogue], but easily distinguished by the different position and form of the white markings on the anterior wings, the want of the crimson in the discoidal cell below, and other less obvious characters."—*Ann. Nat. Hist.*

In Collection (Brit. Mus.) from Bolivia.

273. Papilio Gayi.

Papilio Gayi, *Lucas, Rev. et Mag. de Zool.* 1852, p. 195. *Westw. Gen. of D. Lep. Add.* p. 529.

Cusco.

274. Papilio Cyamon.

Papilio Cyamon, *G. R. Gr.*

Male. Pl. VII. f. 1.—The primary wings deep black, with the summits clearer; an oblique band of white, which commences from the inner margin, nearer the angle than the base, and extends to the first discoidal nervule, though it is but slightly apparent after the first median nervule. The secondary wings deep black, with the borders of the outer margin between the dentations white; a transverse band of scarlet occupies a space between the anal angle and the discoidal nervule, which is composed of four distinct spots, that are separated by the nervules; the one at the anal angle is the largest, the next two are equal and oblong, whilst the fourth is the smallest, of a lengthened oval.

The under surface of the secondary wings deep bronzy black, with six rosy white spots, which are less in size than those of the upper side; the base of the wing is ornamented with two scarlet spots.

In Collection (Brit. Mus.) from Ega, on the river Amazon.

Female. Pl. XI. f. 3.—The primary wings black, with the summits clearer; a white space in the middle of the wing, which is divided by the median nervure and by the base of the first and second median nervules into four spots; that in the discoidal cell, and the one between the second discoidal and the first median nervules, are less apparent than the other two placed between the first and third median nervules; the one between the second and third median nervules is the smaller of these two, and is rounded posteriorly. The secondary wings deep black, with the border of the outer margin between the dentations white; a transverse band of seven distinct scarlet spots; the two first from the inner margin are rather small and oblong; the third and fourth are the largest, especially the former, and oblong; the three next gradually decrease in size towards the anterior angle, but they are of a suboval form.

The under surface of the primary wings brownish black, with the same white space that is seen on the upper side; the base is ornamented with two scarlet spots. The under surface of the secondary wings brownish black, with the same formed spots that are presented on the upper side, but they are pink, with the anterior portion of the three largest pinkish white; the base of the wing is spotted with scarlet.

In Mr. Bates's Collection (as the female of *P. Hippason*, var.).

Variety *a*. Male.

This differs by the shortness and narrowness of the band on the primary wings. The scarlet spots on the secondary wings are much longer and one more in number than in the male previously described.

In Collection (Brit. Mus.) from Brazil.

275. Papilio Ariarathes.

Male.—The primary wings black, with the summits clearer; a narrow oblique band of white, which commences in the middle of the interior margin and extends to the second median nervule with some white scales towards the first median nervule. The secondary wings acutely dentated and black, with the border between the dentations white; a transverse band of five and sometimes of six unequal spots of carmine; the two at the anal angle small and equal, the third and fourth larger and equal, while the fifth is much smaller.

The under surface of the primary wings is similar to the upper side both in colour and marking; the base is spotted with carmine. The under surface of the secondary wings is like the upper side; but the spots are six in number, of a less size, and of a crimson colour, with the fore part of the two largest pinkish white; the base has two spots of carmine.

In Collection (Brit. Mus.) from New Granada?

Female.

Papilio Ariarathes, var., *Esper, Ausl. Schmett.* t. 14. f. 2.

Papilio Ariarathes, *Boisd. Sp. Gen. Lep.* i. p. 287. 114. *E. Doubl. Gen. of D. Lep.* p. 18. 207.

Papilio Acestes, *Roger's MSS.*

In the Collection of Mr. Wallace from Para.

276. Papilio Evagoras.

Papilio Ilus, *E. Doubl. List of Lep. Ins. Brit. Mus. App.* p. 3.

Papilio Evagoras, *Westw. MSS.*

Male. Pl. IX. f. 3.—The primary wings deep black, rather clearer at the summits; an oblique band of yellowish white scales, which commences from the middle of the inner margin, and extends to the middle of the second median nervule; and there are some scattered minute white scales in advance and on the sides of this band. The secondary wings deep black, with the borders between the dentations narrowly fringed with white; a transverse band composed of five unequal spots of rich carmine; the first at the anal angle is subquadrate, the next two are nearly equal and oblong, the fourth is smaller and oblong, while the fifth is only indicated by some rather scattered scales, but in some specimens this spot is not apparent; the inner margin is partly scarlet and partly black.

The under surface of the primary wings is bronzy black, with the white band as prominent as on the upper side; the base has two spots of scarlet. The under surface of the secondary wings is bronzy black, with the same transverse band as is seen on the upper side, but it is composed of five distinct spots; that at the anal angle is oblique and entirely of pale scarlet; the three next are rosy white, with the outer ends pale scarlet; the fifth spot is rather large and entirely pale scarlet; while at the base of the wing there are two deep scarlet spots.

Female. Pl. IX. f. 4.—The primary wings brownish black, with a large space of buff-white, which is divided into four spots by the median nervure and by the bases of the first and second median nervules. The secondary wings brownish black, with the outer margin between the dentations slightly bordered with white; a large space in the middle of the wing of a pale carmine, which is towards the anal angle partly ochraceous; it is composed of six unequal spots, one of which occupies nearly the outer half of the discoidal cell, while the others are placed below the cell, thus occupying the basal portion of the spaces between the nervules, except between the first and second discoidal nervules, where it is partly marked with pale carmine; and the space between the third median nervule and the inner margin is also of the same colours.

The under surface of the primary wings is bronzy black, with the same spot as is exhibited on the upper side but the base of the wing has two scarlet spots. The under surface of the secondary wings is also bronzy black,

with the same broad band, though the spot in the discoidal cell and that between the first and second subcostal nervures are not so large as they are on the upper side, nor so deep in colour; it is rosy white, with the outer ends of the second, third and fourth, and the fifth entirely, rose-colour; the base of the wing has two spots of scarlet.

In Collection (Brit. Mus.) from Venezuela.

A specimen of the male in the collection of Mr. Wallace differs in having the oblique band on the primary wings shorter and broader than on the specimen described above.

Burra, on the river Amazon.

277. Papilio Branchus.

Papilio Branchus, *E. Doubl. Ann. Nat. Hist.* (1846) p. 373. *Id. Gen. of D. Lep.* p. 19. 217.

Female. Pl. VII. f. 3.—"Above, anterior wings black, the disc with a large whitish spot divided by the median nervure, below which is a spot composed of scattered whitish scales, outer edge with indistinct whitish spots between the nervules. Posterior wings dentate, crossed beyond the cell by a broad band composed of six spots of a dull crimson, externally paler, and tinged with buff, the first roundish, the second, third, fourth and fifth somewhat wedge-shaped, the sixth nearly square; outer margin dentate, cilia between the teeth whitish.

"Below, anterior wings as above; the posterior wings with four spots at the base and a line along the abdominal margin bright crimson; the transverse band paler than above.

"Head black, with two red spots behind; antennæ short, black. Thorax black, spotted with red below; prothorax with two red spots above. Abdomen black, with two lateral red spots at the base.

"This species is closely allied in form to *P. Ilus* [*Evagoras*], but is at once known by the different position and form of the white spot on the anterior wings and the broader, differently-coloured band of the posterior. Its short antennæ also are a good distinguishing character, giving somewhat the appearance of a *Parnassius*."—*Ann. Nat. Hist.*

The width across the wings is 3″ 1‴.

In Collection (Brit. Mus.) from Honduras.

Male.—The primary wings deep black, with a few white marks between the nervules next the posterior angle; a small white space, which is divided into three small spots by the anterior part of the median nervure and the base of the first median nervule. The posterior wings deep black, with the outer margin between the nervules white; a transverse curved band of bright carmine, which touches the nervure that forms the discoidal cell and is divided into six distinct lengthened spots by the nervules; the first from the inner margin short, broad, and apparently divided into two; the second and third the longest; the two next gradually decrease in size, while the sixth is the smallest and subquadrate.

The under surface of the primary wings is bronzy black, showing the same white mark in the middle as is exhibited on the upper side. The under surface of the secondary wings bronzy black, with the outer margin between the nervules white; the transverse band below the discoidal cell is composed of smaller spots than on the upper side, and they are buffy white, with the hinder part crimson; the base of the wings is ornamented with four large spots of deep crimson, and a line runs along the inner margin of the same colour.

The width across the wings is 3″ 8‴.

Female.—Like the figure (Pl. VII. f. 3.), but is much larger, being 3 inches 10 lines across the wings. It also differs in having a larger space of white in the fore part of the discoidal cell of the primary wings, and in wanting the minute spot of white scattered scales below the second median nervule.

In Collection (Brit. Mus.) from Guatimala.

278. Papilio Rogeri.

Papilio Rogeri, *Boisd. Sp. Gen. Lep.* i. p. 278. 102. *E. Doubl. Gen. of D. Lep.* p. 19. 221.

Yucatan.

279. Papilio Idæus.

Papilio Idæus, *Fabr. Ent. Syst.* iii. i. p. 16. 48. *Jones, Icon. ined.* i. t. 25. *Donov. Ins. of Ind.* pl. 22. f. 2. *Godt. Encyc. Meth.* ix. p. 32. 20. *E. Doubl. Gen. of D. Lep.* p. 19. 219.

♀. Papilio Evander, *Godt. Encyc. Meth.* ix. p. 32. 18. *Boisd. Sp. Gen. Lep.* i. p. 277. 101. *Lucas, Lep. Exot.* t. 7. f. 1.

Priamides Evander, *Hübn. Samml. Exot.* ii. t. 111.

In Collection (Brit. Mus.) from Brazil, Mexico, and Honduras.

Variety *a*.

Papilio Pompeius, *Fabr. Ent. Syst.* iii. i. p. 18. *Donov. Icon. ined.* t. 54. *Godt. Encyc. Meth.* ix. p. 36. 32.

Priamides Pompeius, *Hübn. Verz. bek. Schmett.* p. 87.

Papilio Panthonus, pt., *E. Doubl. Gen. of D. Lep.* p. 19. 225.

Princeps dominans Capys, *Hübn. Samml. Exot.* i. t. 119.

Priamides Capys, *Hübn. Verz. bek. Schmett.* p. 87.

Papilio Evander, var., *Boisd. Sp. Gen. Lep.* i. p. 277. 101.

In Collection (Brit. Mus.) from Brazil.

280. Papilio Anchisiades.

Papilio Anchisiades, *Esper, Ausl. Schmett.* t. 13. f. 1. 2. *Boisd. Sp. Gen. Lep.* i. p. 279. 103. *E. Doubl. Gen. of D. Lep.* p. 19. 222.

Papilio Anchises, *Cram. Pap. Ex.* t. 318. f. A. B. C. D. *Herbst, Pap.* t. 9. f. 1–3.

Papilio Anchises, pt., *Fabr. Ent. Syst.* iii. i. p. 15. 40.

Papilio Archelaus, *Godt. Encyc. Meth.* ix. p. 32. 19.

Priamides Hipponous, *Hübn. Verz. bek. Schmett.* p. 87.

In Collection (Brit. Mus.) from Brazil.

Variety *a*.

Without the white spot on the primary wings.

In Collection (Brit. Mus.) from Honduras.

281. Papilio Isidorus.

Papilio Isidorus, *E. Doubl. Ann. of Nat. Hist.* xviii. (1846) p. 375.

Pl. VII. f. 4.—"Above, anterior wings fuscous black, inclining to brown; the cilia spotted with white; posterior wings dentate, subcaudate, darker than the anterior, marked with two large red spots between the median nervules, preceded and followed by a smaller one; margin itself and cilia between the nervules white.

"Below, paler than above; the anterior wings with a large white spot, divided by the median nervure and its nervules; posterior wings with two rather large pinkish white spots between the median nervules, preceded by a series of four red smaller ones; the two large ones are surmounted each by a faint red cloud, and followed by two round red spots on the abdominal margin; margin and cilia as above.

"Head black, with two white lines in front and two white spots on the vertex. Thorax black, with four red spots above and six below. Abdomen brownish, with a red spot on each side at the base.

"Allied to *P. Anchisiades*, but the anterior wings are entirely of a black-brown above, and below have the white spot placed much nearer the middle of the wing. The posterior wings have far less red than those of *P. Anchisiades* and *P. Idæus*, which they somewhat resemble, especially below; they are moreover much more acutely dentate."—*Ann. Nat. Hist.*

In Collection (Brit. Mus.) from Bolivia.

Variety *a*.

Very similar to the one described; but the two prominent spots on the secondary wings are smaller, almost round and of a white colour, with the fore part somewhat obscured, while the third spot is only formed of a few white scales; the anal angle has two red marks, the upper one is very slightly indicated.

The under side of the secondary wings is similarly marked to the one described, but the spots are rather smaller; the two larger ones are more rounded and not surrounded by any red scales.

This notice is taken from a specimen in the Collection of W. C. Hewitson, Esq.

282. Papilio Pharnaces.

Papilio Pharnaces, *E. Doubl. Ann. Nat. Hist.* xviii. (1846) p. 374. *Id. Gen. of D. Lep.* p. 19. 216.

Pl. V. f. 1.—"Above, anterior wings fuscous black, paler beyond the middle, with slight purple reflections; the outer margin sinuate, slightly edged with white in the sinuosities. Posterior wings dentate, with a short obtuse tail, black, with bright purple reflections, marked beyond the middle with three somewhat cuneiform roseate spots, one in the face of the cell, two between the median nervules; between these and the margin, four sublunulate spots; anal angle with a spot of a more rufous hue, above which are three small groups of rosy atoms.

"Below, browner than above, the posterior wings with a series of rufous lunules beyond the middle, all resting on a black cloud, the one on the costa white externally, the next very faint; a second series between these and the outer margin all edged with white; the white spots on the edge larger than above.

"Head and thorax black, spotted with red. Abdomen black, with a red spot at the base."—*Ann. Nat. Hist.*

In Collection (Brit. Mus.) from Guatimala?

283. Papilio Anchises.

Papilio Anchises, *Linn. Mus. Lund. Ulr.* p. 191. 10. *Clerck, Icon.* t. 29. f. 1. *Fabr. Ent. Syst.* iii. i. p. 13. 40. *Godt. Encyc. Meth.* ix. p. 36. 31. *Boisd. Sp. Gen. Lep.* i. p. 291. 119. *E. Doubl. Gen. of D. Lep.* p. 19. 224.

Priamides Anchises, *Hübn. Verz. bek. Schmett.* p. 87.

In Collection (Brit. Mus.) from Honduras.

284. Papilio Panthonus.

♂. Papilio Panthonus, *Cram. Pap. Ex.* t. 278. f. C. D. *Esper, Ausl. Schmett.* t. 16. f. 4. *E. Doubl. Gen. of D. Lep.* p. 19. 225.

Papilio Arbates, ♂, *Boisd. Sp. Gen. Lep.* i. p. 290. 118.

Papilio Pompeius, pt., *Godt. Encyc. Meth.* ix. p. 36. 32.

In Collection (Brit. Mus.) from Demerara.

♀?. Papilio Arbates, *Cram. Pap. Ex.* t. 386. f. C. D. *Herbst, Pap.* t. 9. f. 4. *Esper, Ausl. Schmett.* t. 14. f. 1? *Boisd. Sp. Gen. Lep.* i. p. 290. 118.

Papilio Anchises, pt., *Godt. Encyc. Meth.* ix. p. 36. 31.

Princeps dominans Arbates, *Hübn. Samml. Exot.* i. t. 122.

Priamides Anchises, pt., *Hübn. Verz. bek. Schmett.* p. 87.

Surinam.

Variety *a*.

Papilio Ariarathes, var., *Esper, Ausl. Schmett.* t. 14. f. 3.

Papilio Dimas, var.?, *Boisd. Sp. Gen. Lep.* i. p. 292. 120.

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285. Papilio Numa.

Papilio Numa, *Boisd. Sp. Gen. Lep.* i. p. 289. 116. *E. Doubl. Gen. of D. Lep.* p. 18. 208.

South America.

286. Papilio Montezuma.

Papilio Montezuma, *Westw. Arc. Ent.* pl. 18. f. 3. *E. Doubl. Gen. of D. Lep.* p. 19. 227.

In Collection (Brit. Mus.) from the West Coast of America.

287. Papilio Photinus.

Papilio Photinus, *E. Doubl. Ann. of Nat. Hist.* xiv. (1844) p. 415. *Id. Gen. of D. Lep.* p. 19. 229.

Pl. XI. f. 2.—"Above, anterior wings black, the apex fuscous, the disc and inner margin with blue and green reflections. Posterior wings dentate, the third tooth prolonged into a short tail, the whole surface with brilliant blue and green reflections. Beyond the discoidal cell is a series of six crimson, rather rounded spots, the first, second and fifth smaller than the others, followed by a second series of markings of the same colour, of which the first is quadrate, the four others lunulate. Cilia of all the wings spotted with white.

"Below, anterior wings olivaceous, the disc fuscous. Posterior wings greenish olive, with the crimson markings nearly as above, but slightly bordered with black, and in addition two crimson streaks at the anal angle bounding a fuscous spot.

"Head black, palpi crimson, thorax and abdomen black, the sides below spotted with red.

"Female fuscous, the markings on the posterior wings larger and paler, a long dull red spot at the anal angle.

"From the west coast of America, probably Mexico."—*Ann. Nat. Hist.*

In Collection (Brit. Mus.) from the West Coast of America.

288. Papilio Rhetus.

Papilio Rhetus, *Boisd. MSS.*

Pl. XI. f. 5.—The primary wings fuscous black, with the outer margin slightly bordered with white between the nervules. The secondary wings fuscous black, with two rows of spots of vermilion red, which in some lights show a strong violet reflection between the nervules; the inner row is short and somewhat oval, while those of the second row are somewhat lunulate; the outer margin presents a series of prominent lunes between the nervules of a vermilion red, which in some lights has a strong violet gloss; the lunes are fringed narrowly with white.

The under surface of the primary wings bronzy black, with prominent white marks on the outer margin between the nervules. The under surface of the secondary wings bronzy black, with the two rows of spots smaller than on the upper side, but they are more or less surrounded with deep black, while the lunes on the outer margin between the nervures are similar to those of the upper side.

The female is similar to the male, but is rather larger in size.

In Collection (Brit. Mus.) from Guatimala.

289. Papilio Thymbræus.

Papilio Thymbræus, *Boisd. Sp. Gen. Lep.* i. p. 302. 136. *E. Doubl. & Hewits. Gen. of D. Lep.* p. 19. 228. pl. 4. f. 3.

In Collection (Brit. Mus.) from Mexico.

290. Papilio Aconophos.

Female. Pl. XI. f. 1.—The primary wings purplish black, with the outer margin very narrowly fringed with white scales. The secondary wings purplish black, with a series of sublunulate marks between the nervures of a pale purplish buff, but the two at the anal angle are partly carmine; below each is placed a narrow row of white scales, which is also the case on the outer margin between the nervures.

The under surface of the primary wings is bronzy black, with a carmine spot at the base, and the exterior margin is very narrowly margined with white scales. The under surface of the secondary wings is bronzy black, with four spots and a line parallel with the inner margin carmine; the exterior margin deep black, in which are

placed lunate marks composed of white and carmine ; below each mark are two narrow rows, but sometimes only one, of white scales, and the outer margin between the nervures edged with a row of white scales.

Head and body black, spotted with white.

In Collection (Brit. Mus.) from Puebla, Mexico.

291. Papilio Philenor.

Papilio Philenor, *Linn. Mant.* p. 535. *Drury, Ins.* i. pl. 11. f. 1. 4. *Fabr. Ent. Syst.* iii. i. p. 6. 18. *Herbst, Pap.* t. 19. f. 2. 3. *Smith-Abbot, Lep. of Georgia,* i. pl. 3. *Godt. Encyc. Meth.* ix. p. 40. 47. *Boisd. Sp. Gen. Lep.* i. p. 324. 167. *Boisd. Ann. Soc. Ent. de France,* 1852, p. . *E. Doubl. Gen. of D. Lep.* p. 19. 230.

Papilio Astinous, *Cram. Pap. Ex.* 208. f. A. B.

Laertias Philenor, *Hübn. Verz. bek. Schmett.* p. 84.

Princeps dominans Philenor, *Hübn. Samml. Exot.* i. t. 128.

In Collection (Brit. Mus.) from North America (U.S.) and California.

292. Papilio Villiersii.

Papilio De Villiers, *Godt. Encyc. Meth.* ix. *Suppl.* p. 810.

Papilio Villiersii, *Boisd. et Leconte, Icon. Lep. Am. Sept.* t. 14. *Boisd. Sp. Gen. Lep.* i. p. 325. 168. *E. Doubl. Gen. of D. Lep.* i. p. 19. 231.

North America.

293. Papilio Zetes.

Papilio Zetes, *Westw. Trans. Ent. Soc.* v. p. . pl. 3. *Id. Gen. of D. Lep. Add.* p. 529.

St. Domingo.

294. Papilio Americus.

Papilio Americus, *Koll. Beitr. Ins. Fauna von Neu Granada und Venezuela,* 1849, p. 4. *Westw. Gen. of D. Lep. Add.* p. 529.

New Granada.

295. Papilio Archidamas.

Papilio Archidamas, *Boisd. Sp. Gen. Lep.* i. p. 321. 163. *E. Doubl. Gen. of D. Lep.* p. 20. 242.

Var. *Guér. Mag. de Zool.* 1839, *Ins.* t. 17.

In Collection (Brit. Mus.) from Chili.

296. Papilio Madyes.

Papilio Madyes, *E. Doubl. Ann. Nat. Hist.* xviii. (1846) p. 375. *Id. Gen. of D. Lep.* p. 20. 243.

Female. Pl. VI. f. 4.—"Above, all the wings coppery-green, inclining to olivaceous ; the anterior with a transverse curved macular yellowish band, commencing a little below the costa, beyond the cell, and terminating near the anal angle; between it and the apex three rounded spots of the same colour, and the faint indication of two similar spots within it, between the median nervules. Cilia spotted with white. Posterior wings with a series of greenish yellow lunules near the hinder margin. Cilia between the teeth white.

"Below, the anterior wings are black, with green reflections ; the apex and outer margin occupied by a broad band of a dull greenish yellow, narrower and macular towards the anal angle ; the outer margin very narrowly fuscous, except at the anal angle, where the margin is broader ; the cell with two slender whitish lines towards the base. Posterior wings dull greenish yellow ; the nervules and a Y-shaped vitta in the cell black ; a black band traverses the wing beyond the cell, marked with a series of silvery white spots between the nervules, all of which are geminate except the first and last. On the margin itself a series of white lunules, bordered internally

with black, shading to purplish and green, the black prolonged nearly to the transverse band. Cilia between the teeth white.

"Head black, spotted with white. Thorax bronzy black above; sides yellowish. Abdomen bronzy green above, yellow at the sides, black, spotted with white below.

"Allied to *Papilio Archidamas*, but easily distinguished by the characters given above."—*Ann. Nat. Hist.*

In Collection (Brit. Mus.) from Bolivia.

297. Papilio Bitias.

Papilio Bitias, *Godt. Encyc. Meth.* ix. p. 39. 43. *Boisd. Sp. Gen. Lep.* i. p. 323. 165. *E. Doubl. Gen. of D. Lep.* p. 20. 245.

South America.

298. Papilio Coristheus.

Papilio Coristheus, *Boisd. Sp. Gen. Lep.* i. p. 323. 166. *E. Doubl. Gen. of D. Lep.* p. 20. 246.

Papilio Aristæus, *Cram. Pap. Exot.* t. 361. f. A. B.

Calaides Menatius, *Hübn. Verz. bek. Schmett.* p. 86.

Papilio Bitias, var., *Godt. Encyc. Meth.* ix. p. 39. 43.

Surinam.

299. Papilio Polydamas.

Papilio Polydamas, *Linn. Syst. Nat.* p. 747. 12. *Cram. Pap. Ex.* t. 211. f. D. E. *Drury, Ins.* i. pl. 17. f. 1. 2. *Fabr. Ent. Syst.* iii. i. p. 14. 42. *Herbst, Pap.* t. 10. f. 6. 7. *Esper, Ausl. Schmett.* t. 6. f. 2. & t. 7. f. 2. *Boisd. et Lec. Icon. Lep. Am. Sept.* t. 1. *Godt. Encyc. Meth.* ix. p. 39. 44. *Boisd. Sp. Gen. Lep.* i. p. 321. 162. *Lucas, Lep. Exot.* t. 17. f. 2. *E. Doubl. Gen. of D. Lep.* p. 20. 241.

Ithobalus Polydamas, *Hübn. Verz. bek. Schmett.* p. 88.

Princeps dominans Polydamas, *Hübn. Samml. Exot.* i. t. 129.

In Collection (Brit. Mus.) from Brazil.

Variety *a*.

Papilio Polydamas, var., *Esper, Ausl. Schmett.* t. 7. f. 1.

In Collection (Brit. Mus.) from Jamaica.

300. Papilio Neodamas.

Papilio Neodamas, *Lucas, Rev. et Mag. de Zool.* 1852, p. 195. t. 10. f. 5. *Westw. Gen. of D. Lep. Add.* p. 529.

Antilles.

301. Papilio Xenodamas.

Papilio Xenodamas, *Boisd. Sp. Gen. Lep.* i. p. 320. 161. *E. Doubl. Gen. of D. Lep.* p. 20. 240.

Ithobalus Xenodamas, *Hübn. Samml. Exot.* ii. t. 112.

Papilio Cebriones, *Dalm. Anal.* p. 38. 3.

In Collection (Brit. Mus.) from Brazil.

302. Papilio Protodamas.

Papilio Protodamas, *Godt. Encyc. Meth.* ix. p. 40. 45. *Boisd. Sp. Gen. Lep.* i. p. 322. 164. *E. Doubl. Gen. of D. Lep.* p. 20. 244.

Ithobalus Protodamas, *Hübn. Verz. bek. Schmett.* p. 88. *Id. Samml. Exot.* ii. t. 114.

In Collection (Brit. Mus.) from Brazil.

303. Papilio Belus.

Papilio Belus, *Cram. Pap. Ex.* t. 112. f. A. B. *Herbst, Pap.* t. 11. f. 1. *Godt. Encyc. Meth.* ix. p. 38. 42. *Boisd. Sp. Gen. Lep.* i. p. 315. 154. *Lucas, Lep. Exot.* t. 17. f. 1. *E. Doubl. Gen. of D. Lep.* p. 20. 233.

Ithobalus Belus, *Hübn. Verz. bek. Schmett.* p. 88.

In Collection (Brit. Mus.) from Ega on the river Amazon.

304.? Papilio Lycidas.

Papilio Lycidas, *Cram. Pap. Ex.* t. 113. f. A. *Boisd. Sp. Gen. Lep.* i. p. 316. 156. *E. Doubl. Gen. of D. Lep.* p. 20. 235.

Ithobalus Lycidas, *Hübn. Verz. bek. Schmett.* p. 88.

Papilio Belus, var., *Godt. Encyc. Meth.* ix. p. 38. 42.

In Collection (Brit. Mus.) from Para.

Variety *a*.

Papilio Erymanthus, *Cram. Pap. Ex.* t. 113. f. C.

Surinam.

305.? Papilio Numitor.

Papilio Numitor, *Cram. Pap. Ex.* t. 113. f. B. *Esper, Ausl. Schmett.* t. 27. f. 2. *Boisd. Sp. Gen. Lep.* i. p. 317. 157. *E. Doubl. Gen. of D. Lep.* p. 20. 236.

Ithobalus Numitor, *Hübn. Verz. bek. Schmett.* p. 88.

Papilio Belus, var., *Godt. Encyc. Meth.* ix. p. 38. 42.

In Collection (Brit. Mus.) from Venezuela.

306. Papilio Amulius.

Papilio Amulius, *Martyn's Psyche*, pl. 1. f. 1. & pl. 2. f. 1. *Esper, Ausl. Schmett.* t. 27. f. 1. *Boisd. Sp. Gen. Lep.* i. p. 316. 155. *E. Doubl. Gen. of D. Lep.* i. p. 20. 234.

Guiana.

307. Papilio Crassus.

Papilio Crassus, *Cram. Pap. Ex.* t. 112. f. C. *Esper, Ausl. Schmett.* t. 27. f. 3. *Boisd. Sp. Gen. Lep.* i. p. 314. 153. *E. Doubl. Gen. of D. Lep.* p. 19. 232.

Ithobalus Crassus, *Hübn. Verz. bek. Schmett.* p. 88.

Princeps dominans Crassus, *Hübn. Samml. Exot.* i. t. .

Papilio Belus, var., *Godt. Encyc. Meth.* ix. p. 38. 42.

In Collection (Brit. Mus.) from Brazil.

308. Papilio Varus.

Papilio Varus, *Koll. Beitr. Ins. Fauna von Neu Granada und Venezuela*, 1849, t. 1. f. 3. 4. *Westw. Gen. of D. Lep. Add.* p. 529.

New Granada.

309. Papilio Choridamas.

Papilio Choridamas, *Boisd. Encyc. Meth.* ix. p. 318. 158. *E. Doubl. Gen. of D. Lep.* p. 20. 237.

In Collection (Brit. Mus.) from Demerara and the West Indies.

310.? Papilio Hyperion.

Papilio Hyperion, *Boisd. Sp. Gen. Lep.* i. p. 319. 159. *E. Doubl. Gen. of D. Lep.* p. 20. 238.
Ithobalus Hyperion, *Hübn. Samml. Exot.* ii. t. 113.
♀. Papilio Protodamas, *Godt. Encyc. Meth.* ix. p. 40. 15.
Papilio Zonaros, *Perty, Del. Anim.* t. 29. f. 3. 36.
In Collection (Brit. Mus.) from Brazil.

311. Papilio Phaon.

Papilio Phaon, *Lacord. Boisd. Sp. Gen. Lep.* i. p. 319. 160. *E. Doubl. Gen. of D. Lep.* p. 20. 239.
In Collection (Brit. Mus.) from Mexico and Honduras.

Variety *a*.

With scattered green scales in the discoidal cell of the secondary wings; and the spots below this cell are rounded posteriorly.
In Collection (Brit. Mus.) from Venezuela.

312. Papilio Ulopos.

The primary wings greenish black, with three rounded spots of yellow scales in the middle of and near the outer margin. The secondary wings glossy greenish black, with a broad band of yellow scales below the nervures that form the discoidal cell, which commences at the inner margin and decreases in width towards the anterior angle, while within the cell there are a few yellow scales posteriorly, and at the anal angle on the hinder margin of the band there is a small spot of blood-red.

The under surface of all the wings is bronzy brown, with the base of the secondary wings spotted with blood-red, and round the outer margin of the same wings is a series of blood-red marks; but at the anal angle the mark is divided into two spots.
In Collection (Brit. Mus.) from Mexico.

313. Papilio Pausanias.

Papilio Pausanias, *Hewits. Trans. Soc. Ent.* 1852, pl. 6. f. 2. *Westw. Gen. of D. Lep. Add.* p. 529.
In Collection (Brit. Mus.) from Ega, on the river Amazon.

Variety *a*.

With the band of pale yellow below the discoidal cell of the secondary wings much broader.
In Collection (Brit. Mus.) from Honduras and Guatimala.

314. Papilio Triopas.

Papilio Triopas, *Godt. Encyc. Meth.* ix. p. 33. 23. *Boisd. Sp. Gen. Lep.* i. p. 313. 151. *E. Doubl. Gen. of D. Lep.* p. 20. 247.
Ascanides Triopas, *Hübn. Zutr.* f. 929. 930.
In Collection (Brit. Mus.) from Demerara.

Variety *a*.

Very like the last; but of a much larger size.
In Collection (Brit. Mus.) from the river Amazon.

315. Papilio Chabrias.

Papilio Chabrias, *Hewits. Trans. Soc. Ent.* 1852, pl. 6. f. 1. *Westw. Gen. of D. Lep. Add.* p. 529.
In Collection (Brit. Mus.) from Ega, on the river Amazon.

316. Papilio Corethrus.

Papilio Corethrus, *Lacord.* *Boisd. Sp. Gen. Lep.* i. p. 314. t. 1. C. f. 1. *E. Doubl. Gen. of D. Lep.* p. 20. 248.

India? America?

317. Papilio Zenobia.

Papilio Zenobia, *Fabr. Mant. Ins.* ii. p. 48. 475. et *Ent. Syst.* iii. i. p. 37. 108. *Jones, Icon. ined.* i. t. 68. *Donov. Nat. Repos.* pl. 24. f. 1. *Westw. Arc. Ent.* p. 151.

Papilio Zenobius, *Godt. Encyc. Meth.* ix. p. 74. 180. *Boisd. Sp. Gen. Lep.* i. p. 369. 213. *Lucas, Lep. Exot.* t. 24. f. 1. *E. Doubl. Gen. of D. Lep.* p. 20. 249.

In Collection (Brit. Mus.) from Sierra Leone.

318. Papilio Messalina.

Papilio Messalina, *Stoll, Pap. Exot.* t. 26. f. 2. *Westw. Arc. Ent.* p. 151. *E. Doubl. Gen. of D. Lep.* p. 20. 250.

Papilio Cynortas, *Godt. Encyc. Meth.* ix. p. 75. 141. *Lucas, Lep. Exot.* t. 24. f. 2.

Papilio Cynorta, *Boisd. Sp. Gen. Lep.* i. p. 370. 214.

In Collection (Brit. Mus.) from Sierra Leone and Ashanti.

319. Papilio Cynorta.

Papilio Cynorta, *Fabr. Ent. Syst.* iii. i. p. 37. 109. *Jones, Icon. ined.* i. t. 87. *Westw. Arc. Ent.* p. 151. pl. 40. f. 3. 4. *E. Doubl. Gen. of D. Lep.* p. 20. 251.

Papilio Cynortas, pt., *Godt. Encyc. Meth.* ix. p. 75. 141.

Papilio Zeryntius, *Boisd. Sp. Gen. Lep.* i. p. 370. 215.

In Collection (Brit. Mus.) from Sierra Leone.

320. Papilio Boisduvallianus.

Papilio Boisduvallianus, *Westw. Arc. Ent.* p. 151. pl. 40. f. 1. 2. *E. Doubl. Gen. of D. Lep.* p. 20. 252.

In Collection (Brit. Mus.) from West Africa.

321. Papilio Hippocoon.

Papilio Hippocoon, *Fabr. Ent. Syst.* iii. i. p. 38. 112. *Jones, Icon. ined.* i. t. 88. *Godt. Encyc. Meth.* i. p. 44. 55. *Boisd. Sp. Gen. Lep.* i. p. 243. 67. *Westw. Arc. Ent.* p. 153. *E. Doubl. Gen. of D. Lep.* p. 20. 254.

♀. Papilio Niavius, *Cram. Pap. Ex.* t. 234. f. A.

Amauris Niavia, *Hübn. Verz. bek. Schmett.* p.

Danais Niavia ♀, *Godt. Encyc. Meth.* ix. p. 182. 22.

Papilio Westermanni, *Boisd. Sp. Gen. Lep.* i. p. 372. 217.

In Collection (Brit. Mus.) from Sierra Leone.

322. Papilio Cenea.

Papilio Cenea, *Stoll, Pap. Exot.* t. 29. f. 1. *E. Doubl. Gen. of D. Lep.* p. 20. 255.

Danais Rechila, *Godt. Encyc. Meth.* ix. p. 183. 24.

♀. Papilio Trophonius, *Westw. Ann. Nat. Hist.* ix. (1842) p. 38. *Id. Arc. Ent.* p. 153. pl. 39. f. 1. 2.

In Collection (Brit. Mus.) from South Africa.

323. Papilio Agestor.

Papilio Agestor, *G. R. Gr. Lep. Ins. of Nep.* pl. 4. f. 2. *Boisd. Sp. Gen. Lep.* i. p. 376. 223. *Westw. Arc. Ent.* pl. 16. f. 2. *E. Doubl. Gen. of D. Lep.* p. 21. 262.
In Collection (Brit. Mus.) from Northern India.

324. Papilio Dionysos.

Papilio Dionysos, *E. Doubl. & Hewits. Gen. of Lep.* pl. 3. f. 4.

325. Papilio Delessertii.

Papilio Delessertii, *Guér. Deless. Souvenirs*, t. 17. *E. Doubl. Gen. of D. Lep.* p. 20. 257.
Papilio Laodocus, *De Haan, Verh. Nat. Ges. Ned. Overz. Bez. Ins.* p. 42. t. 8. f. 5.
Papilio Melanides, (*De Haan*) *Erichs. Wiegm. Archiv für Naturg.* 1843, ii. p. 248.
In Collection (Brit. Mus.) from Singapore.

326. Papilio Megarus.

Papilio Megarus, *Westw. Arc. Ent.* pl. 72. f. 3. *E. Doubl. Gen. of D. Lep.* p. 20. 256.
In Collection (Brit. Mus.) from Sylhet.

327. Papilio Xenocles.

Papilio Xenocles, *E. Doubl. Gray's Zool. Misc.* p. 74. *Westw. Arc. Ent.* pl. 92. f. 1. *E. Doubl. Gen. of D. Lep.* p. 21. 258.
Papilio Pollux, (*Westw.*) *Erichs. Wiegm. Archiv für Naturg.* 1843, ii. p. 248.
In Collection (Brit. Mus.) from Sylhet.

Variety *a*.

Papilio Macareus, *Godt. Encyc. Meth.* ix. p. 76. 144. *Horsf. Desc. Cat. Lep. E.I.C.* pl. 5. f. 1. *Boisd. Sp. Gen. Lep.* i. p. 374. 220. *Lucas, Lep. Exot.* t. 23. f. 1. *E. Doubl. Gen. of D. Lep.* p. 21. 259.
Papilio striatus, *Zinken Sommer, Acta Nova Acad. Nat. Cur.* xv. t. 14.
In Collection (Brit. Mus.) from Sylhet.

Variety *b*.

Papilio Leucothoe, *Westw. Arc. Ent.* pl. 79. f. 3. *E. Doubl. Gen. of D. Lep.* p. 21. 266.
In Collection (Brit. Mus.) from Northern India and Singapore (?).

328. Papilio Encelades.

Papilio Encelades, *Boisd. Sp. Gen. Lep.* i. p. 376. 222. *E. Doubl. Gen. of D. Lep.* p. 21. 261.
Moluccas.

329. Papilio Deucalion.

Papilio Deucalion, *Boisd. Sp. Gen. Lep.* i. p. 375. 122. *E. Doubl. Gen. of D. Lep.* i. p. 21. 260.
Moluccas.

330. Papilio dissimilis.

Papilio dissimilis, *Linn. Syst. Nat.* p. 782. 195. *Clerck, Icon.* t. 16. f. 2. *Cram. Pap. Ex.* t. 82. f. C. D. *Fabr. Ent. Syst.* iii. i. p. 38. 113. *Herbst, Pap.* t. 126. f. 2. 3. *Godt. Encyc. Meth.* ix. p. 175. 143. *Boisd. Sp. Gen. Lep.* i. p. 377. 224. *Lucas, Lep. Exot.* t. 23. f. 2.
♀. Papilio Panope, *Linn. Syst. Nat.* ii. p. 782. 196. *Cram. Pap. Ex.* t. 295. f. E. F. *Fabr. Ent. Syst.* iii. i. p. 59. 186.

Princeps dominans Panope, *Hübn. Samml. Exot.* i. t. 132.
Arisbe Panope, *Hübn. Verz. bek. Schmett.* p. 89.
Papilio Panopes, *Godt. Encyc. Meth.* ix. p. 75. 142.
In Collection (Brit. Mus.) from Northern India, Ceylon, Australia, and Hong Kong.

Variety *a*.

Papilio Clytia, *Linn. Syst. Nat.* ii. p. 781. 189. *Fabr. Ent. Syst.* iii. i. p. 127. 387.
Clytia dissimilis, *Swains. Zool. Illustr.* 2nd ser. pl. 120.
Papilio Echidna, *De Haan, Verh. Nat. Ges. Ned. Overz. Bez.* p. 42. t. 8. f. 6.
———?

Variety *b*.

Papilio Palephates, *Westw. Arc. Ent.* pl. 79. f. 1. *E. Doubl. Gen. of D. Lep.* p. 21. 265.
In Collection (Brit. Mus.) from Northern India.

331. Papilio Lacedæmon.

Papilio Lacedæmon, *Fabr. Ent. Syst.* iii. i. p. 36. 107. *Jones, Icon. ined.* i. t. 63. *Donov. Ins. Ind.* pl. 17. f. 3. *Godt. Encyc. Meth.* ix. p. 38. 41. *Boisd. Sp. Gen. Lep.* i. p. 374. 219. *E. Doubl. Gen. of D. Lep.* p. 21. 267. *Westw. Cab. Or. Lep.* p. 20.
Malabar.

332. Papilio Telearchus.

Papilio Telearchus, *Hewits. Trans. Ent. Soc.* 1852, pl. 6. f. 3. *Westw. Gen. of D. Lep. Add.* p. 529.
In Collection (Brit. Mus.) from Sylhet.

333. Papilio Paradoxa.

Zelima Paradoxa, *Zinken Sommer, Nova Acta Acad. Nat. Cur.* xvi. p. 162. t. 15. f. 9. 10.
Papilio Paradoxus, *Westw. Cab. Or. Lep.* pl. 9. f. 1. 1*.
Papilio Paradoxa, *E. Doubl. Gen. of D. Lep.* p. 21. 268.
In Collection (Brit. Mus.) from Java.

334. Papilio Caunus.

Papilio Caunus, *Westw. Cab. Or. Lep.* pl. 9. f. 2. 2*. *Id. Gen. of D. Lep. Add.* p. 529.
In Collection (Brit. Mus.) from Sylhet.

335. Papilio Astina.

Papilio Astina, *Horsf.* *Westw. Cab. Or. Lep.* pl. 9. f. 3. 3*. *Id. Gen. of D. Lep. Add.* p. 529.
Java.

Doubtful species.

1. Papilio Palamedes, *Fabr. Pap.* no. 213. *Godt. Pap. Suppl.* no. 133. 134. *Boisd. Pap.* no. 202.?
America.
2. Papilio Miltiades, *Herbst, Pap.* t. 44. f. 1. 2.

2. LEPTOCIRCUS.

Leptocircus, *Sw.*
Papilio, pt.,—Equites Achivi, pt., *Fabr.*
Erycina, pt., *Godt.*
Iphiclides, pt. *Hübn.*
Lamprosura, *Boisd.* olim.

336. Leptocircus Curius.

Papilio Curius, *Fabr. Ent. Syst.* iii. i. p. 28. 81. *Donov. Ins. of Ind.* pl. 47. f. 1.
Erycina Curius, pt., *Godt. Encyc. Meth.* ix. *Suppl.* p. 827.
Leptocircus Curius, pt., *Boisd. Sp. Gen. Lep.* i. p. 381. 1. *E. Doubl. Zoologist,* iii. p. . fig. *E. Doubl. & Hewits. Gen. of D. Lep.* p. 23. 1. pl. 4*. f. 1.
In Collection (Brit. Mus.) from Java and Moulmein.

337. Leptocircus Meges.

Papilio Meges, *Zinken, Nova Acta Acad. Nat. Cur.* xv. p. 161.
Erycina Curius, *Godt. Encyc. Meth. Suppl.* p. 827.
Leptocircus Curius, *Swains. Zool. Illustr.* 2nd ser. pl. 106. *Boisd. Sp. Gen. Lep.* i. p. 381. 1. t. 3. B. f. 1. & t. 1. C. f. 3.
Leptocircus Meges, *E. Doubl. Zoologist,* iii. p. 23. fig. *Id. Gen. of D. Lep.* p. . 2.
In Collection (Brit. Mus.) from Northern India.

3. EURYCUS.

Eurycus, *Boisd.*
Cressida, *Sw.*
Nestorides, *Hübn.*

338. Eurycus Cressida.

♂. Papilio Cressida, *Fabr. Ent. Syst.* iii. i. p. 20. 62. *Donov. Ins. of N. Holl.* pl. 12. f. 2. *Godt. Encyc. Meth.* ix. p. 76. 145.
Cressida Heliconides, *Swains. Zool. Illustr.* 2nd ser. pl. 94.
Eurycus Cressida, *Boisd. Sp. Gen. Lep.* i. p. 392. 1. *E. Doubl. Gen. of D. Lep.* p. 24. 1.
Nestorides Cressida, *Hübn. Zutr.* t. 841. 842.
♀. Papilio Harmonia, *Fabr. Ent. Syst.* iii. i. p. 20. 63. *Donov. Ins. of N. Holl.* pl. 12. f. 1.
Papilio Harmonides, *Godt. Encyc. Meth.* ix. p. 76. 146.
Eurycus Harmonia, *Boisd. Sp. Gen. Lep.* i. p. 393. 2.
Eurycus Cressida ♀, *E. Doubl. Gen. of D. Lep.* p. 24.
In Collection (Brit. Mus.) from Australia.

4. PARNASSIUS.

Papilio, pt., et P. Heliconii, pt., *Linn.*
Papilio, pt., et P. Parnassii, pt., *Fabr.*
a. Parnassius, *Latr.*
Doritis, *Fabr.*
Parnassis, *Hübn.*
Pieris, *Schrank.*

339. Parnassius Apollo.

Papilio Apollo, *Linn. Syst. Nat.* i. p. 754. 50. *Rœsel, Ins.* iii. t. 48. f. 1. 2. *Fabr. Ent. Syst.* iii. i. p. 181. 560. *Hübn. Samml. Eur.* f. 396. 397. 730. 731.
Papilio Rhea, *Poda, Mus. Græc.* p. 66. 11.

Pieris Apollo, *Schrank, Fauna Boic.* ii. p. 161. 1283.

Parnassius Apollo, *Latr. Règne Anim.* iii. p. 551 (1817). *Godt. Encyc. Meth.* ix. p. 79. 1. *Boisd. Sp. Gen. Lep.* i. p. 395. 1. *E. Doubl. Gen. of D. Lep.* p. 27. 1.

Parnassis Apollo, *Hübn. Verz. bek. Schmett.* p. 90.

In Collection (Brit. Mus.) from Europe.

Variety *a*.

Parnassius Apollo, var. A, *Boisd. Sp. Gen. Lep.* i. p. 397.

Andalusia, on the summit of the Sierra Nevada.

Variety *b*.

Doritis Apollo, var. Sibirica, *Nordm. Bull. Soc. Imp. des Nat. de Moscou*, 1851, p. 422. t. xi.

Siberia.

Variety *c*.

Parnassius Hesebolus, *Mannerh. MSS. Westw. Gen. of D. Lep. Add.* p. 530.,

Doritis Apollo, var.?, *Nordm. Bull. Mosc.* 1851, p. 425.

Mongolia.

340. Parnassius Apollonius.

Doritis Apollonius, *Eversm. Bull. Mosc.* 1847, p. 71. t. 3. f. 1. 2. ♀.

Parnassius Apollonius, *Westw. Gen. of D. Lep. Add.* p. 530.

Siberia (Songariæ Montibus).

341. Parnassius Phœbus.

Papilio Phœbus, *Fabr. Ent. Syst.* iii. i. p. 181. 561 (var.?). *Jones, Icon. ined.* t. 2. f. 2. *Hübn. Samml. Eur.* f. 567. 568. ♂. *Fischer, Ent. de la Russ.* ii. t. 7.

Parnassius Phœbus, *Godt. Lep. de France*, ii. t. 2. B. f. 2. ♂. *Id. Encyc. Meth.* ix. p. 80. 3. *Boisd. Sp. Gen. Lep.* i. p. 398. 3. *E. Doubl. Gen. of D. Lep.* p. 27. 3.

Papilio Delius, *Esper, Schmett. Eur.* t. 115. *cont.* 70. f. 5. ♂.

Parnassis Delius, *Hübn. Verz. bek. Schmett.* p. 90.

Doritis Delius, *Nordm. Bull. de la Soc. Imp. des Nat. Mosc.* 1851, p. 423.

In Collection (Brit. Mus.) from Italy and Germany.

Variety *a*.

Papilio Apollo, Delius, *Hübn. Samml. Eur.* f. 684. 685. ♂.

Papilo Phœbus, *α*, *Godt. Encyc. Meth.* ix. p. 80. 2.

Papilio Phœbus, var., *Boisd. Sp. Gen. Lep.* i. p. 398. 3.

————?

Variety *b*.

Papilio Apollo, Delius, *Hübn. Samml. Eur.* f. 6490. 65. ♂. 651. 652. ♀.

Papilio Apollo, var., *Esper, Schmett. Eur.* t. 112. *cont.* 67. f. 5. ♀.

Papilio Phœbus, var., *Boisd. Sp. Gen. Lep.* i. p. 398. 3.

————?

Variety *c*.

Doritis Delius, var., *H. Schäff. Suppl.* f. 317. 318. ♀.

————?

Variety *d*.

Parnassius Phœbus, var., *Boisd. Sp. Gen. Lep.* i. p. 399.
Siberia.

342. Parnassius Clarius.

Doritis Clarius, *Eversm. Bull. Soc. Imp. Nat. Mosc.* xvi. p. 539. t. 9. f. 1. *a. b. c.* ♂ ♀.
Parnassius Clarius, *E. Doubl. Gen. of D. Lep.* p. 27. *Boisd. Ann. Soc. Entom. de France*, 1852, p. .
Altai and in Collection (Brit. Mus.) from California.

343. Parnassius Pataræus.

Parnassius Pataræus, *Nordm. Westw. Gen. of D. Lep. Add.* p. 530.
Doritis Clarius, *H. Schäff. Suppl.* f. 257–258; non *Eversm.*
Caucasus.

344. Parnassius Delphius.

Doritis Delphius, *Eversm. Bull. Soc. Imp. Nat. Mosc.* xiv. p. 540. t. 9. f. 2. *a. b.*
Parnassius Delphius, *E. Doubl. Gen. of D. Lep.* p. 27. 6.
Altai Mountains.

345. Parnassius Corybas.

Parnassius Corybas, *Fischer, Ent. Imp. Ross.* ii. t. 6. f. 1. 2. *Boisd. Sp. Gen. Lep.* i. p. 399. 4. *E. Doubl. Gen. of D. Lep.* p. 27. 4.
Kamtschatka.

346. Parnassius Nomion.

Parnassius Nomion, *Fisch. Ent. Imp. Ross.* ii. p. 242. t. 6. *Boisd. Sp. Gen. Lep.* i. p. 397. 2. *Duponc. Lep. de France, Suppl.* t. 43. f. 1. *E. Doubl. Gen. of D. Lep.* p. 27. 2. *Boisd. Ann. Soc. Entom. de France*, 1852, p. .
Doritis Nomion, *H. Schäff. Suppl.* f. 316. 409. 410.
Siberia, and in Collection (Brit. Mus.) from California.

347. Parnassius Actius.

Doritis Actius, *Eversm. Bull. Soc. Imp. Nat. Mosc.* xvi. p. 540. t. 9. f. 2. *a. b.*
Parnassius Actius, *E. Doubl. Gen. of D. Lep.* p. 27. 7.
Altai Mountains.

348. Parnassius Jacquemontii.

Parnassius Jacquemontii, *Boisd. Sp. Gen. Lep.* i. p. 400. 5. *Blanch. Voy. de Jacq. Ins.* t. 1. f. 3. 4. *E. Doubl. Gen. of D. Lep.* p. 27. 9.
Pl. XII. f. 1. 2.
In Collection (Brit. Mus.) from the Himalaya Mountains, and also from Chinese Tartary at an elevation of 15,000 feet.

349. Parnassius Smintheus.

Parnassius Smintheus, *Doubl. & Hewits. Gen. of Lep.* p. 27. 8. pl. 4*. f. 4. *Boisd. Ann. Soc. Entom. de France*, 1852, p. .
In Collection (Brit. Mus.) from the Rocky Mountains.

350. Parnassius Acco.

Parnassius Acco, *G. R. Gr.*

. Pl. XII. f. 5. 6.—The primary wings yellowish white, powdered with black scales at the base and along the inner margin ; two abbreviated deep black bands across the discoidal cell, one in the middle and the other at the apex ; the outer portion of the wing pale black, with two rows of irregular spots of yellowish white, with the nervules and edge on the outer margin black, but which is fringed outwardly with a series of white scales. The secondary wings yellowish white, with the inner margin black, and along the outer margin two rows of black lunes, those of the inner row deepest in colour, and they are the largest at the anterior angle ; the outer edge of each lune of the second row is narrowly bordered with white ; the outer margin is black, fringed with white scales ; the anterior margin has two spots of red or yellow surrounded with black, one at the base and the other near the middle ; and between the second subcostal and discoidal nervules is a subquadrate spot of red or yellow surrounded with black.

The under surface of all the wings is similar in colour and markings to the upper side, but the latter are not so prominent, and there are some short lines of black on the secondary wings which are not observed on the upper surface.

In Collection (Brit. Mus.) from Chinese Tartary, where it is found on the plateau 16,000 feet high.

351. Parnassius Simo.

Parnassius Simo, *G. R. Gr.*

Pl. XII. f. 3. 4.—The primary wings yellowish white, with the nervures and nervules black, and the base and the anterior margin powdered with black scales ; the two short bands of deep black in the discoidal cell, one in the middle and the other at the apex ; the outer portion of the wing semitransparent black, which is divided by two narrow bands of yellowish white ; in some specimens, that part of the black which would form the inner band is sometimes broken ; the outer margin is fringed with black scales. The secondary wings yellowish white, with the base and the inner margin black, with a row of small black lunes at a little distance from the outer margin ; this latter is pale black and fringed outerly with white scales ; two spots, one on the middle of the anterior margin and the other between the second subcostal and the first median nervules, of black, having a red or pale red spot in the middle.

The under surface of all the wings similar to the upper side both in colour and markings ; the latter are not so prominent ; the base of the secondary wings is marked with red.

In Collection (Brit. Mus.) from Chinese Tartary, and discovered on the plateau 16,000 feet high.

352. Parnassius Hardwickii.

Parnassius Hardwickii, *G. R. Gr. Lep. Ins. of Nepaul*, p. 7. pl. 4. f. 1. *Boisd. Sp. Gen. Lep.* i. p. 400. 6. *E. Doubl. Gen of D. Lep.* p. 27. 10.

Pl. XII. f. 8–11.

In Collection (Brit. Mus.) from Northern India (Nepal), and from Chinese Tartary at an elevation of 15,000 feet.

Variety *a*.

Parnassius Charino, *G. R. Gr. MSS.*

Pl. XII. f. 12–15.—Very similar to the preceding in markings, but the surface of the wings is mostly covered with minute black scales.

In Collection (Brit. Mus.) from Chinese Tartary at an elevation of 15,000 feet.

353. Parnassius Tenedius.

Parnassius Tenedius, *Eversm. Bull. Soc. Imp. Nat. Mosc.* 1851, p. 621. *Westw. Gen. of D. Lep. Add.* p. 530. Irhoutzk.

354. Parnassius Nordmanni.

Parnassius Nordmanni, *Ménétr. Nordm. Bull. Soc. Imp. des Nat. de Mosc.* 1851, p. 423. t. 13. f. 1–3. *Westw. Gen. of D. Lep. Add.* p. 530.

Caucasus.

355. Parnassius Charltonius.

Parnassius Charltonius, *G. R. Gr.*

Female. Pl. XII. f. 7.—The primary wings yellowish white, with the base powdered with black scales; the discoidal cell crossed in the middle and at the apex by two short bands of black, reaching only to the median nervure; just beyond the cell is another band of black, which reaches straight to the second discoidal nervule and curves to the base of the third median nervule, and then curves again to the inner margin; along the outer margin are two bands of pale black, the inner one much curved, while the outer margin is edged externally with white scales. The secondary wings yellowish white, with the basal portion of the inner margin black, having scattered white scales; along the outer margin are two bands of pale black, inner one unequal in width, having a row of five deep black sublunate spots along its outward border; each of these has some scattered white scales on the inner portion; the outer band is divided by the nervules, which gives it the appearance of being formed into lengthened spots, while the outer edge is fringed with white scales; the anterior margin has near the middle a red spot surrounded with black; a large sublunate spot of red surrounded with black, and with a few white scales on the outer side, is placed in the middle between the second subcostal and the first median nervules; and at the anal angle an abbreviated narrow line of red bordered with black, which extends from the inner margin to the second median nervule.

The under surface of all the wings is very similar in colour and markings to the upper side, but the latter are not so prominent.

In Collection (Brit. Mus.) from Chinese Tartary, where it was found by Major Charlton (with the other species mentioned as from the same locality) at an elevation of 15,000 feet.

356. Parnassius Mnemosyne.

Papilio Mnemosyne, *Linn. Syst. Nat.* 754. 51. *Fabr. Ent. Syst.* iii. i. p. 182. 562. *Herbst, Pap.* t. 85. f. 5. 6. *Hübn. Samml. Eur.* f. 398.

Parnassius Mnemosyne, *Latr. Règne Anim.* iii. p. 551 (1817). *Godt. Lep. de France*, ii. t. 2. f. 3. ♂. *Id. Encyc. Meth.* ix. p. 80. 3. *Boisd. Sp. Gen. Lep.* i. p. 401. 7. *E. Doubl. Gen. of D. Lep.* i. p. 27.

Parnassis Mnemosyne, *Hübn. Verz. bek. Schmett.* p. 90.

In Collection (Brit. Mus.) from Italy, Germany, and Odessa.

357.? Parnassius Stubbendorfii.

Parnassius Stubbendorfii, *Ménétr. Ins. rec. p. Lehman*, t. 6. f. 2.

Parnassius Mnemosyne, var.?, *Westw. Gen. of D. Lep. Add.* p. 530.

Russia, Chorma.

b. Ismene, *Nickerl.*

358. Parnassius Helios.

Parnassius (Ismene) Helios, *Nickerl. Ent. Zeit.* vii. p. 207, cum figuris.

Parnassius Helios, *E. Doubl. Gen. of D. Lep.* p. 27. 11. *Westw. Gen. of D. Lep. Add.* p. 530. *Ménétr. Ins. rec. p. Lehmann*, t. 6. f. 1.

Kirguis Steppes.

5. DORITIS.

Papilio, pt., *Herbst.*
Doritis, *Hübn.*
Thais, pt., *Latr.*

359. Doritis Apollina.

Papilio Apollinus, *Herbst, Pap.* t. 250. f. 5–8.
Papilio Pythius, *Esper, Schmett. Eur.* i. t. 117. cont. 72. f. 1–4.
Papilio Thia, *Hübn. Samml. Eur.* f. 633–636. 730. 731.
Doritis Apollina, *Boisd. Sp. Gen. Lep.* i. p. 390. *H. Schäff. Suppl.* f. 257. 258. *E. Doubl. Gen. of D. Lep.* p. 29. 1.
Thais Apollina, *Godt. Encyc. Meth.* ix. p. 82. 1.
Doritis Thia, *Hübn. Verz. bek. Schmett.* p. 89.

In Collection (Brit. Mus.) from Smyrna.

6. SERICINUS.

Sericinus, *Westw.*
Papilio, pt., *Donov.*

360. Sericinus Telamon.

Papilio Telamon, *Donov. Ins. of China,* pl. 27. f. 1. *Boisd. Sp. Gen. Lep.* i. p. 250. 74. *E. Doubl. Gen. of D. Lep.* p. 15. 139.
Sericinus Telamon, *Westw. Trans. Soc. Ent.* n. s. i. p. 174. *Id. Gen. of D. Lep. Add.* p. 530.

Pl. XIII. f. 4. (copied from Donovan's).

China (Pekin).

361. Sericinus Montela.

Sericinus Montela, *G. R. Gr. Proc. Zool. Soc.*
Sericinus Telamon, *Westw. & Hewits. Gen. of D. Lep.* p. 530. *Suppl.* pl. . f. 1.

Pl. XIII. f. 1. 2.—Like *S. Telamon*; but the primary wings have a large subtriangular black spot at the base, which is divided into three spots by the nervures; the anterior margin is slightly edged, and the exterior margin partly bordered with a broad margin of black; and the markings are generally more prominent, though in a few specimens they vary slightly in size and number. The secondary wings have a broad band obliquely across the costal area, and the crimson band at the anal angle is broader and sometimes very pale in colour.

In Collection (Brit. Mus.) from Northern China. This species was brought by Mr. Fortune, who says that they are found in the valleys among the hills.

362. Sericinus Telmona.

Sericinus Telmona, *G. R. Gr. Proc. Zool. Soc.*

Pl. XIII. f. 3.—The primary wings ochraceous, with the base black, and the other black markings are similar to those on *S. Telamon,* though not quite so prominent, but the short band which crosses the wing just beyond the costal area and the spot on the posterior margin are both ornamented with a small crimson spot. The secondary wings have the inner margin, and the base, black; the crimson band at the anal angle extends to the second subcostal nervule, and the spot on the anterior margin is ornamented by a crimson mark; the black space at the anal angle is less in size, and is furnished with blue lunules. The caudal appendages are much shorter than in the other species, being only about half an inch in length.

The under surface of the primary wings is marked like the upper side. That of the secondary wings is also similarly marked to the upper side, but the two black spots on the anterior margin are both ornamented with

crimson; the lengthened crimson band is marked between the second and third median nervules with a white lunule, and there is also a less quantity of black at the anal angle.

Northern China. Mr. Fortune only succeeded in bringing a single specimen of this species, which is now in the Collection of W. Wilson Saunders, Esq.

363. Sericinus Fortunei.

Sericinus Fortunei, *G. R. Gr. Proc. Zool. Soc*

Pl. XIII. f. 5.—The primary wings yellowish white, with many irregular black spots which vary in size, some of them are so placed that they apparently form five bands across the wing, and the exterior margin is also black. The secondary wings are also yellowish white, with a basal band and three irregular curved bands of black spots; the second band from the base is broadest at the anterior angle, and marked with a small crimson spot; while that portion towards the anal angle is margined exteriorly by an irregular crimson band, which extends from the angle to the second subcostal nervule; the third or marginal band is ornamented on the deep black below the crimson by a series of pale blue lunes. The caudal appendages are slender, of about one inch in length, the base and apex yellowish white, with the intermediate part black.

The under surface of all the wings is less prominently marked; otherwise they are similar to the upper side; except that on the primary wings there are two crimson spots, one on the band near the costal area, and the other on the posterior margin.

In Collection (Brit. Mus.) from Northern China.

The specimens brought by Mr. Fortune were found on the sides of the hills.

7. THAIS.

Thais, *Fabr.*
Pieris, *Schrank.*
Zerynthia, *Ochs.*

364. Thais Hypsipyle.

Papilio Hypsipyle, *Fabr. Ent. Syst.* iii. i. p. 214. 668.
Papilio Rumina, *Esper, Eur. Schmett.* t. 15. f. 1; t. 55. *cont.* 3. f. 2.
Papilio Hypermnestra, *Scop. Ent. Carn.* p. 149. 425.
Papilio Aristolochiæ, *Borkh. Pap. Eur.* i. p. 113.
Papilia Polyxena, *Herbst, Pap.* t. 250. f. 1. 2. *Hübn. Samml. Eur.* f. 392. 393.
Thais Hypsipyle, *Latr. Règne Anim.* i. p. 551 (1817). *Godt. Encyc. Meth.* ix. p. 82. 2. *Boisd. Sp. Gen. Lep.* i. p. 384. 2. *E. Doubl. Gen. of D. Lep.* p. 31. 1.

In Collection (Brit. Mus.) from South Europe and Odessa.

Variety *a*.

Papilio Cassandra, *Hübn. Samml. Eur.* f. 910–913.
Thais Hypsipyle ♀, *Godt. Lep. de France*, ii. t. 3. C. f. 1–2?
Thais Cassandra, *Boisd. Sp. Gen. Lep.* i. p. 386. 3.

Variety *b*.

Papilio Demnosia, *Dahl. Freyer, Neu. Beitr. zur Schmett.* t. 7. f. 2.

In Collection (Brit. Mus.) from South Europe.

365. Thais Rumina.

Papilio Rumina, *Linn. Syst. Nat.* i. p. 783. 200. *Fabr. Ent. Syst.* iii. i. p. 244. 759. *Hübn. Samml. Eur.* f. 633. 634.

Thais Rumina, *Hübn. Verz. bek. Schmett.* p. 89. *Latr. Règne Anim.* i. p. 551 (1817). *Godt. Encyc. Meth.* ix. p. 83. 3. *Boisd. Sp. Gen. Lep.* i. p. 387. 4. *E. Doubl. Gen. of D. Lep.* p. 31. 2.

In Collection (Brit. Mus.) from South Europe.

Variety *a*.

Papilio Medescaste, *Ochsenh. Pap. Eur.* i. ii. p. 127. *Hübn. Samml. Eur.* f. 632.

Papilio Rumina, *Herbst, Pap.* t. 250. f. 3. 4. *Hübn. Samml. Eur.* f. 394. 395.

Thais Medesicaste, *Hübn. Verz. bek. Schmett.* p. 89. *Godt. Encyc. Meth.* ix. p. 84. 4. *Id. Lep. de France,* i. t. 3. f. 4. 5. *Boisd. Sp. Gen. Lep.* i. p. 388. 5.

Papilio Rumina australis, *Esper, Eur. Schmett.* t. 72. *cont.* 22. f. 4.

In Collection (Brit. Mus.) from South Europe.

Variety *b*.

Thais Honnoratii, *Boisd. Icon. Hist.* t. 3. f. 3. 5. *Duponc. Lep. de France,* t. 2. *Suppl.* f. 3. *H. Schäff. Suppl.* f. 251. 252.

Thais Medesicaste, var., *Boisd. Sp. Gen. Lep.* i. p. 388. 5.

In Collection (Brit. Mus.) from South Europe.

366. Thais Cerisyi.

Thais Cerisyi, *Hübn. Samml. Exot.* ii. t. 118. ♂ ♀. *Godt. Mem. Soc. Linn. de Paris,* ii. t. 2. *Id. Encyc. Meth.* ix. *Suppl.* p. 812. *Boisd. Sp. Gen. Lep.* i. p. 383. 1. *E. Doubl. Gen. of D. Lep.* p. 31. 3.

Papilio Cerisyi, *Hübn. Samml. Eur.* f. 890. 891.

Zerynthia Cerisyi, *Treitsch-Ochs.*

In Collection (Brit. Mus.) from Smyrna.

8. TEINOPALPUS.

Teinopalpus, *Hope.*

367. Teinopalpus imperialis.

♂. Teinopalpus imperialis, *Hope, Trans. Linn. Soc.* xix. pl. xi. f. 1. 2. *Westw. Arc. Ent.* pl. 59. *E. Doubl. Gen. of D. Lep.* p. 2. 1.

♀. Teinopalpus Parryiæ, *Hope, Trans. Linn. Soc.* xix. pl. xi. f. . *Westw. Arc. Ent.* pl. 60.

In Collection (Brit. Mus.) from Sylhet.

ADDENDA ET CORRIGENDA.

Page 38. **Papilio Lycophron.**

Variety *a*. Male.

With a series of small yellow spots along the outer margin of the primary wings ; the series of spots along the outer margin of the secondary wings are larger and the caudal appendages are smaller and of equal width throughout their length.

In Collection (Brit. Mus.) from Rio Grande, Brazil.

Page 41. **Papilio Rurikia.**

Variety *a*.

Like the figure referred to, but with a crimson spot at the base of each of the primary wings, while the crimson marginal marks of the secondary wings do not extend beyond the first median nervule towards the anterior angle.

Rio Grande, Brazil. In the Collection of W. W. Saunders, Esq.

Variety *b*.

Like the former variety, but without the buffy white space on the inner margin of the primary wings.

In Collection (Brit. Mus.) from Rio Grande, Brazil.

Variety *c*.

Like the last; but with indications on the secondary wings of a continuation of the crimson marginal marks towards the anterior angle.

In Collection (Brit. Mus.) from Rio Grande, Brazil.

Page 10, *for* Pl. IV. f. 3, *read* Pl. IV. f. 2.
Page 10, *for* Pl. IV. f. 4, *read* Pl. IV. f. 3.
Page 56, *for* Pl. X. f. 2, *read* Pl. X*. f. 2.
Page 49, *for* Papilio Neophilus, *Hübn.*, *read* Priamides Neophilus, *Hübn.*

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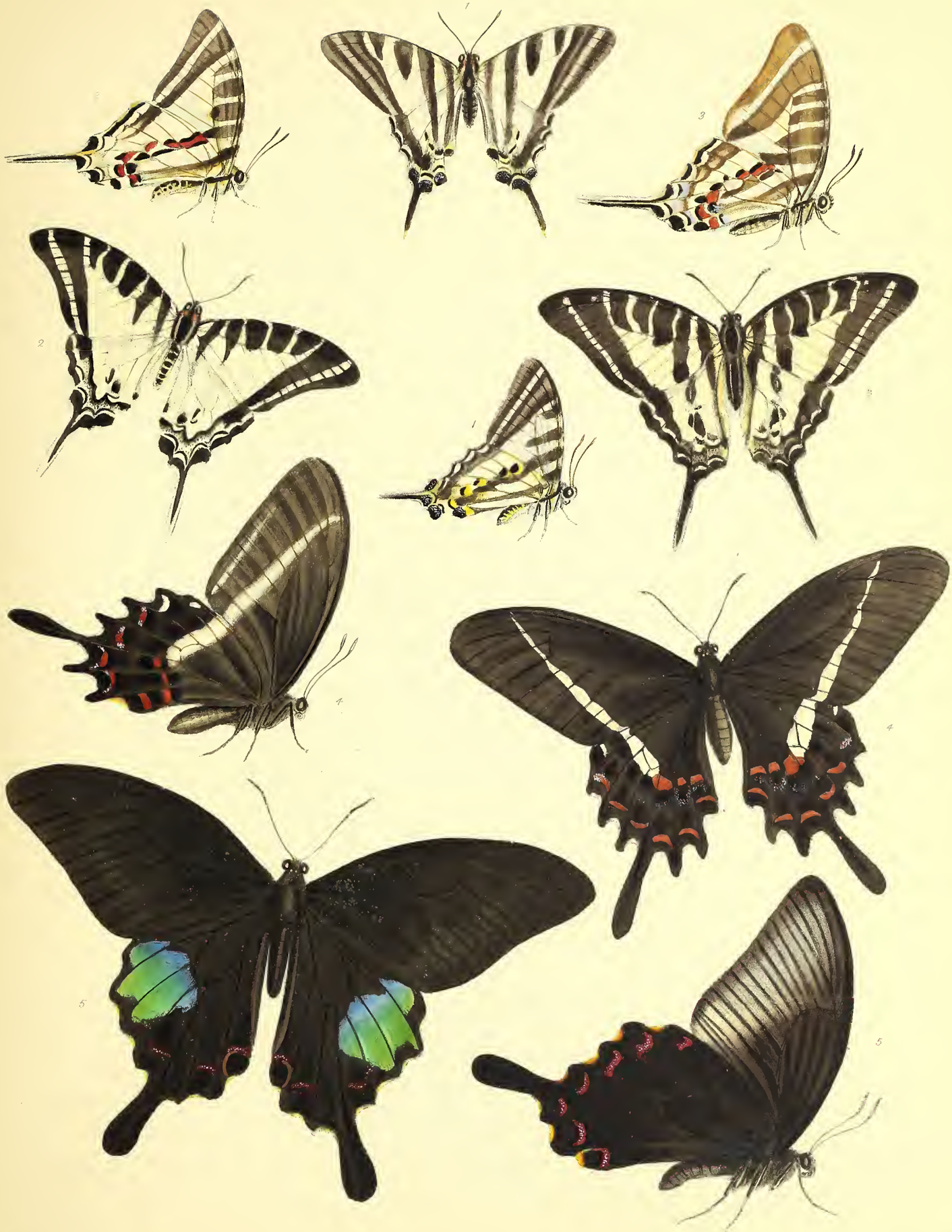
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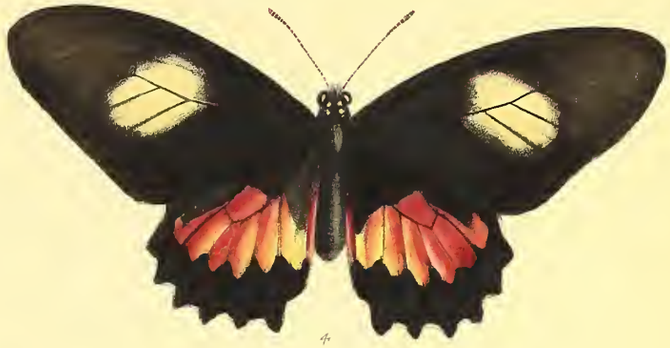
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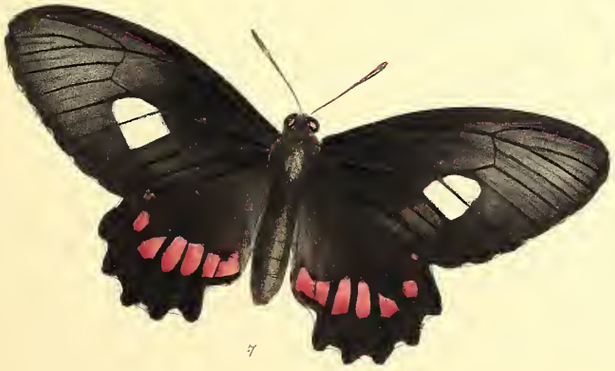
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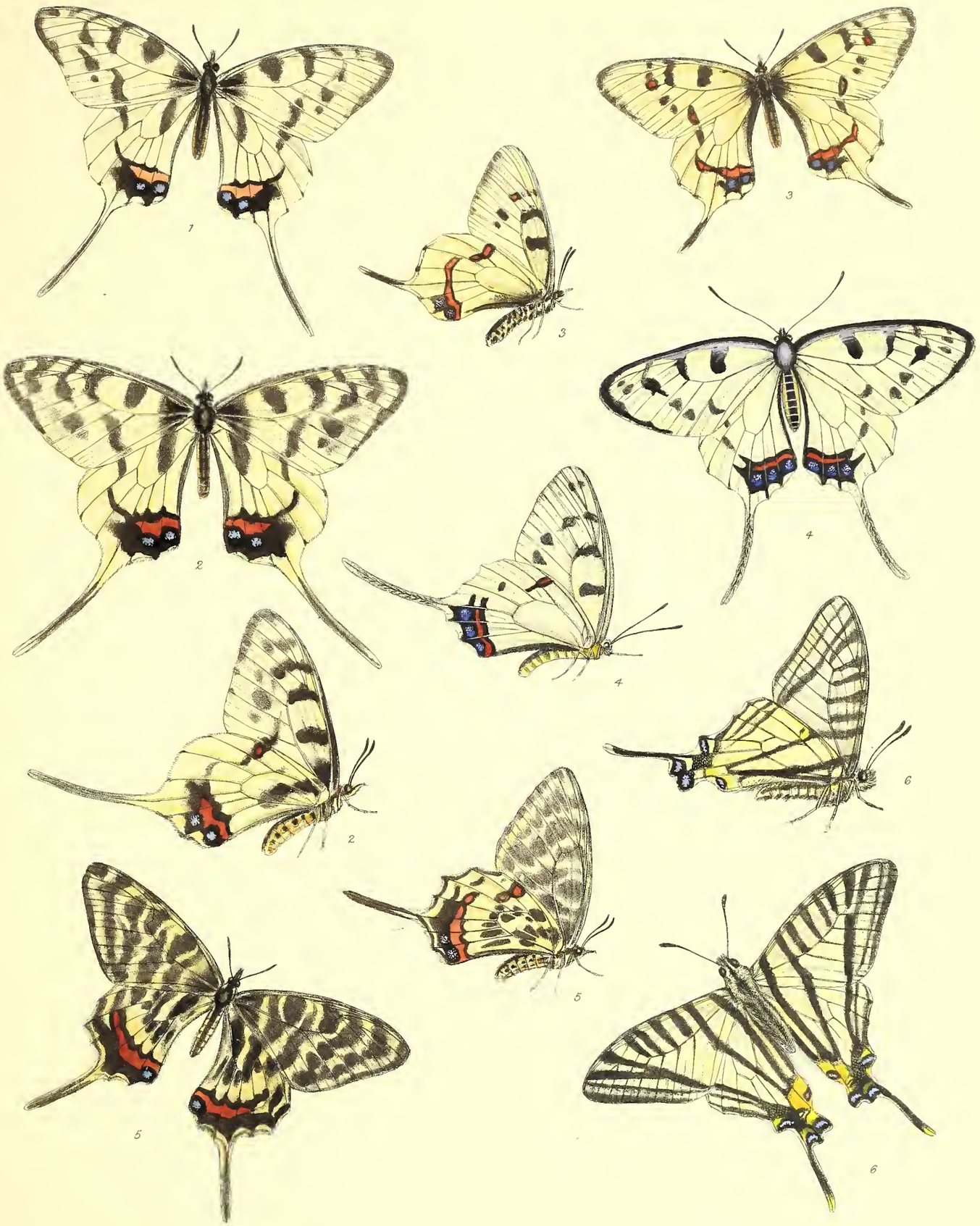
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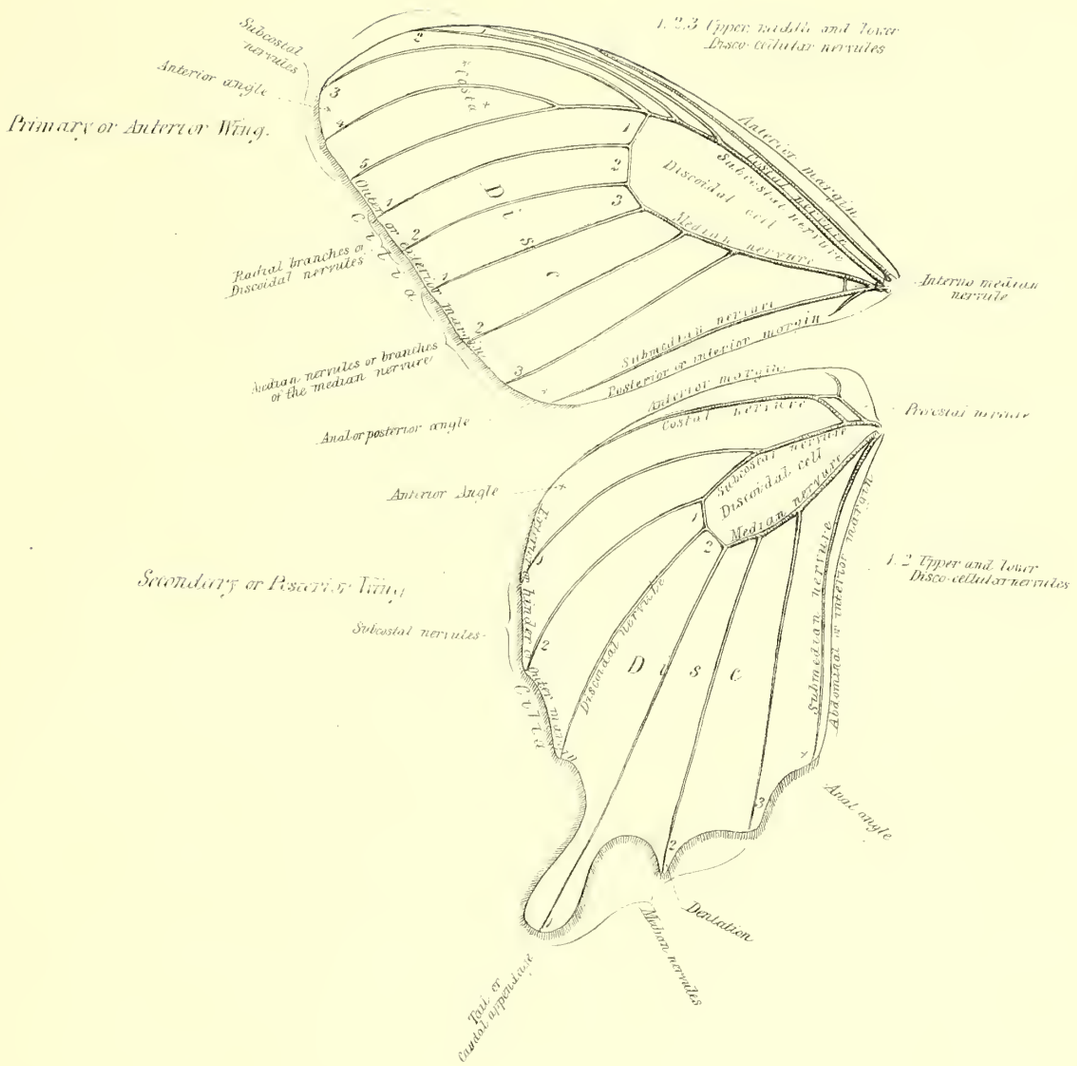
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TERMINOLOGY OF THE WINGS OF PAPILIONIDÆ

W. Wing. Lith. Ford & Walsh Imp.

18 June, 1853.